

WORLDWIDE O BOX 17333 -ASHEVILLE, NC 28816 - U.S.A. TV-FM DX ASSOCIATION

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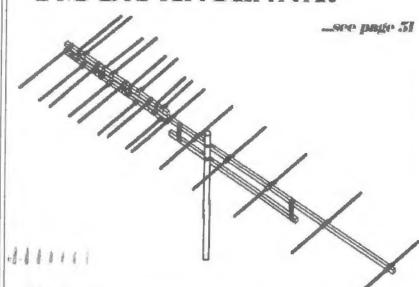
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Official Publication of the Worldwide TV-FM DX Association SEPTEMBER 1996

IS THIS THE ULTIMATIB FM DX ANTENNA?



30 PAGES OF YOUR DX REPORTS - HIGH-DEFINITION TV IS ON THE AIR! - LOTS OF STATION CHANGES -CONVENTION COVERAGE AND NEWS ABOUT NEXT FEST - NEW EASTERN TV DX EDITOR - AND LOTS MORE:

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WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TY-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

IT'S GEORGIA IN '97!

The 1997 WTFDA convention will be held in the 'Peach State'. Convention coordinator Tom Bryant made the announcement at last months convention in Estes Park, CO. According to Tom, since no volunteers came forward prior to the extended deadline, a call was placed to John Broomall of Atlanta asking if his standing offer to host was still valid. John reaffirmed his willingness, and agreed to take on the job. The exact dates and location will be announced as soon as preliminary arrangements have been made. As a long-time WTFDA member, and host of the 1988 gathering, John 'knows the ropes', and is planning an event in keeping with club tradition. Additional information will appear in this space and elsewhere in the VUD as it becomes available.

THANKS! In behalf of all who attended the August get-together in Estes Park, a special "Thank You" goes out to Jim Thomas. His excellent planning and execution culminated in a convention that will long be remembered and appreciated. A detailed report of convention highlights and separate list of those attending are featured elsewhere in this issue.

STUDENTS: Here's a reminder that the WTFDA offers a special student membership rate of \$15.00 per year. As your subscription comes up for renewal, be sure to enclose documentation such as a copy of your student ID or schedule of courses to verify your student status. All full-time students (including high school) are eligible.

CROSS-PROMOTION: Both the National Radio Club and the International Radio Club of America have now agreed to a no-cost trade of space for WTFDA promotional material in their respective club bulletins "DX News" and "DX Monitor". In return, the VUD will soon feature 'ads' for both of the medium wave radio clubs. Boards of Directors of all three clubs agreed that the plan will increase awareness of their individual organizations and the services they offer, and should be beneficial to the hobby as a whole.

WTFDA Mailbox

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September, 1996 Edited by: Matthew C. Sittel. E-mail: 76255,2171@Compuserve.com

September, 1996 Renewal\$ Due:

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Welcome to these new members!

David G. Batcho, Las Cruces, NM Chip Kelley, Plano, TX William G. McGuire, Cheverly, MD

* Harry Hayes, 9 Henry Street, Wilkes-Barre, PA 18702

It doesn't look as though the DX reports of any Eastern TV DXer will see the "light of publication" this season due to the current upheaval in finding a new editor for our column. Therefore, I will report on the season in general terms since this is not a column for reporting DX. It's been a strange summer here with very changeable conditions. The 2 days warm, 2 days cold weather pattern hasn't been that favorable for much prolonged tropo to set up. It hasn't been all down hill however, as I have seen two tropo openings into Ohio and points west this season; one extensive opening on June 11th and a lesser opening on the morning of July 24th. E-skip has been plentiful except for a slow period in mid to late July. As of the 27th the skip activity seems to be picking up again. Most of the skip activity has confined itself below channel 6 and FM.

In April I upgraded my UHF receiving system. I replaced my cheap RG-62 wire with RG-11. Last October I replaced my ailing PA-4975 amplifier with an RDX Labs UA-901 amplifier. This goes into a 6-foot screened dish in my attic. Because my dish is inside I have it screened with standard window screen. I do note some improvement with this upgraded system. The Clarks Summit translators come in a little better and my everyday reception of some signals 150 miles out is sllightly improved. For example, I can get a very weak signal every day from WVIT-30 in Hartford whereas before there were days when this would be completely absent. On VHF I'm still using my amplified quad loop which works very well. The only drawback is that it is impossible to tell what direction the DX is coming in from. My TV is still the RCA 1971 color model which about 4 seasons ago I was sure had to be its last, but the thing keeps on going. Due to the usually weak level of signal strength that I get with DX here I need an old sensitive set without the lousy mute features that quash weak DX. I would be interested in learning from others if there are any new makes of sets out there that do not filter DX. I have a 1991 Zenith Sentry whose mute feature makes serious DXing a rather unpleasant experience.

In summary, a pretty good season, but I've seen better.

TV NEWS

September 1996

Douglas E. Smith W9WI 1385 Old Clarksville Pike Pleasant View, TN 37146-8098 72777.3143@compuserve.com

APPLICATIONS FOR NEW STATIONS

St	Ch	ERP	LAAT	City; applicant		
AL	*39-	4470	639	Tuscaloosa; Oral Roberts U	33-28-51	87-24-03
AZ	*392	3470	266	Phoenix; Community TV	33-35-39	112-05-12
BC	217	7	2	Victoria; "VITV" (see Other	Stuff)	
DC	27	500	174	Washington; NBC (WRC-4)	38-56-24	77-04-54
		r, 4000		raska Avenue NW. Experiment	al HDTV s	tation,
also	reque	sts use	e of	channels 30, 34, and 51.		
FL	*19z	592	219	Bradenton; FL W Coast Pub.	27-33-27	82-21-59
FL	+412	5000	243	Lake City; Oral Roberts U	30-17-07	B2-11-01
FIL	16+	5000	262	Marianna; <unknown></unknown>	30-36-17	84-49-04
FL	*42z	417	344	Palatka; WJCT-7	29-31-08	81-19-02
IA	*43-	2750	317	Des Moines; Community TV	41-48-35	93-37-16
IA	+43-	302	75	Des Moines; Family Educ.	41-39-54	93~35-03
KS	*15+	2950	301	Wichita; Oral Roberts U	37-46-40	97-30-42
KY	622	5000	610	Lexington; Pappas Telcstg	38-12-48	85-10-16
KY	482	5000	283	Owensboro; Pappas Telcstg	39-01-27	87-21-43
MO	*68-	2630	297	Kansas City; Oral Roberts U	39-01-19	94-30-50
MS	*45z	589	113	Columbia; MS ETV	31-16-00	89-49-56
MS	+47z	617	99	Hattiesburg; MS ETV	31-21-02	89-22-12
MS	51z	5000	180	Jackson; Fant Bost, LLC	32-17-44	90-14-44
MS	+34-	138	195	Senatobia; Family Educ	34-50-57	90-00-39
NE	+48-	2690	327	Omaha; Oral Roberts U	41-04-15	96-13-30
NY	+29+	617	229	Schenectady: WMHT-17	42-47-0B	73-37-44
OH	65+	5000	321	Defiance; Pappas Telcstq	41-08-13	87-21-43
OR	30+	50.1	617	Grants Pass; WBG License	42-26-44	123-12-56
SC	47z	5000	430	Columbia; Fant Bost, LLC	34-07-31	80-45-21
VA	60z	5000	616	Roanoke; Fant Best, LLC	37-11-35	80-09-29

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

 St
 Ch
 ERP
 HAAT
 City; applicant

 MT
 10
 316
 579
 Helena; Uhlmann/Latshaw Bc. 46-35-47 112-17-47

 4km N of US-12 at Macdonald Pass #1, 4.7km SSE of Blossburg in Lewis & Clark County.
 32
 100
 425
 Raleigh; WRAL-5
 35-40-35
 76-32-09

 This is another experimental HDTV station. It's already on the air, having signed on July 25. HAAT is an estimate; antenna is on the WRAL-5 tower.
 Now 30
 5000
 255
 Shawnee; OKC-30 TV, ILC
 35-16-50
 97-20-14

 2000 NW of Franklin, east of Norman.
 TX
 17
 464
 135
 Snyder; Prime-Time Christ.
 32-46-52
 100-53-52

 7.1km N & 1.85km E of Snyder off SR-208. Will probably be a TBN.

APPLICATIONS TO CHANGE EXISTING STATIONS

St AK	Ch	ERF	AAR	T Cal	l City		
AK	4	100	54	KTBY	Anchorage		
AL	20z	3980	623	WCOV	Montgomery	31-58-32	86-09-46
AL	32	5000	264	WHOA	Montgomery	32-24-11	86-11-48
200m	NW of	Dunba	rton	Rd. &	Cunningham Dr.,	sate of WM	CE-45.
AL	34-	1200	240	WDFX	Ozark		
BUS	15	4000	no	KNXV	Phoenix		
362	45z	4570	519	KUTP	Phoenix		
CA	29	369	468	KBVU	Eureka	40-43-36	123-58-26

APPLICATIONS TO CHANGE EXISTING STATIONS

04	75	PPD	EL SAN	0.11	rdan		
CA	21	5000	605	KFTV	City Hanford	37-04-22	119-25-53
Bald	Mtn.	, Meade	w La	kes, F	resno Co., very	close to e	xisting tower.
KINES	48 -14 m	4110	585	KSTS	San Jose , 11.6km E of F.	37-29-57	121-52-16
CA	40	2674	nc	KTEN	Santa Ana	remont, Ala	mena co.
CO	59	ne	356	KUED	, 11.6km E of F. Santa Ana Denver ldale	39-40-24	105-13-03
Mt -	Morris	50h, 21	tm E o	of Ide	ldale		
CL	(file all)	2000	400	REYS	Key West	25-05-29	80-26-37
US-1	Roci	Harbo	105		Palm Beach	25-45-47	00.10.10
WIRK	-107:5	tower	. S.	Canal	Rd., 1100m E o:	f Acteade S	BO-12-19
FL	28	4000	nc	WFTS	Tampa		
GA	34	5000	455	WUBI	Tampa Baxley	31-50-30	81-47-00
3.2k	m NNW	of Rye	Pate	ch, Lo	ng Co.		
GA.	54	2830	346	WXTX	Columbus Valdosta		
GA 5 1/2	94	Dixie	600	WGVP	Valdosta	30-46-39	83-40-16
TA.	2.5	2500	460	R.TMR	Burlington	61-12-61	90-47-51
ZA	*36	300	102	KOCT	Davenport	41-28-29	90-26-45
6600	34th	Ave.,	Molir	ie, Ro	Burlington Davenport ck Island Co., 1	L (same to	wer as WOPT-24,
Whic	1 11 5	rimulca	SISI				
IA	40	5000	266	EXTA	Dubuque Aurora East St. Louis		
IL.	46-	ne	512	WEHS	Aurora		
IL	+14	2000	318	WSEC	Jacksonville		
II.	+22	2000	305	WMEC	Macomb	40-14-10	91-03-35
NE C	orner	of 1st	& Ce	dar,	near Bowen, Hand	ock Co.	
IL	15+	1020	308	WIJR	Cuincy		
IL	*27	2000	344	MOEC	Quincy Louisville		
KY	21	1710	223	ANEW	Louisville	38-22-02	85-49-53
MT	472	5000	300	GIGVM	lmi. N of New Al	bany, IN,	rioya Co.
MI	53	3320	ne	WLAJ	Lansing Lansing		
2580	W ver	tical					
MI	45	840	nc	WGKU	Vanderbilt		
MO	41	4000	TIC	KSHB	Kansas City Burlington		
NC	16	5000	394	WAAP	Burlington	36-14-57	79-39-20 kingham/Guilford
Count	v Lin	e. Rei	Agy i I	le. Ra	ockingham Co	Om N DI KOC	:Kingham/Gulliord
NC	18	5000	562	WCCB	SR-2629, and 50 ockingham Co. Charlotte	35-20-49.1	81-10-14.6
Betwe	en rt	s, 100	1 & 1	805,	1400m N of rt. I Rocky Mount Grand Island Hastings Kearney	804, nr. Da	Ilas,
NC	47+	ne	523	WRMY	Rocky Mount		
NE	172	4900	614	KTVG	Grand Island Hastings Kearney Clovis	40-56-54	98-48-42
NE	5-	97.7	617	KHAS	Hastings	40-56-54	98-48-42
PAR	10	309	204	REGI	Rearney	40-56-54	98-48-42
MV.	21	2576	DO	KATH	Les Verse		
NY	29	5000	329	WUTV	Clovis Las Vegas Buffalo Eugene Lane Co.	43-01-32	78-55-43
OR	34	805	305	KEVU	Eugene	44-00-04	123-06-44
0.5mi	. SE	of Blan	nton	Rd., I	Lane Co.		
PA	24	2570	nc	WJET	Erie Erie		
PA	66	5000	363	WFXP	Erie	42-02-31	80-03-57
0923	reach	5000	301	WDFP	Greensburg		
PA	432	5000	417	WPMT	York		
SC	40	5000	313	WEBC	Anderson		
sc	25	5000	530	WOLO	Anderson Columbia	34-06-59.0	80-45-50
6 . 4 km	SE O	f Elgin	at I	Baldwi	n & Tower Rds	Kershaw Co	
SD	17~	2040	445	KTTW	Sioux Falls Conros	43-31-14	96-34-54
TX	49	5000	570	KTFH	Conros	30-13-50	95-07-25
TX	ESE (or Sple	andor.	a, Mor	tgomery Co.		
TX	47	4730	301	KTAO	Greenville		
TX	49	ne	497	KHSX	Irving	32-35-05	96-57-46
TX	56	5000	472	KETK	Corpus Christi Greenville Irving Jacksonville	31-54-16	95-05-07
1 km N	W of (Gallati	in, T	X-204	& TX-110, Chero	kee Co.	

APPLICATIONS TO CHANGE EXISTING STATIONS

St	Ch	ERP	BAAT	Call	City		
TX	55	3240	ne	KLDT	City Lake Dallas		
WA	13	229	741	KCPQ	Tacoma	47-30-16	121-58-05
West	Tiger	Mtn.,	9.43	om ESE	of Issaguah,	King Co.	
WA	49	5010	ne	KPDX	Vancouver		
WI	48	2000	300	WEUX	Chippewa Fall	Ls	
WI	25	2000	299	WLAX	La Crosse		
WI	27	5000	455	WKOW	Madison	43-03-21	89~32-06
New 1	WISC/W	HA/WMS	SN to	er at	8559 Mineral	Point Road,	
WI	47	5000	451	WMSN	Madison		
WI	12	no	528	WJEW	Rhinelander	45-13-55	89-50-51
						Hwy. E, Oneid	
WY	33	5010	166	KKTU	Cheyenne		
The i	Eollow	ing st	ation	s hav	e applied to :	increase ERP t	o 5000kW with
2011	nehon	change	. 12. 4				

The following stations have applied to increase ERP to 5000kW without any other changes:

KJEO-47z Fresno, CA

KSTV-57+ Ventura, CA

WNTO-26z Daytna Bch, FL

WTVK-46z Naples, FL

WEBS-50z Tampa, FL

WHMB-40z Indianapolis

WKIX-19+ Newport, KY

WHSH-66z Maxlboro, MA

KKLT-47- Rochester, MN

WHSE-68z Newark, NJ

WHSF-65z Vineland, NJ

WUHF-31+ Rochester, NY

WGBS-61z Cleveland

KWHB-47z Tulsa

WHMB-47z Tulsa

WHMB-45z South Bend, IN

WHSP-65- Vineland, NJ

WHSF-65z Newark, NJ

WHSF-65z Vineland, NJ

WHSF-67z Smithtown, NY

WGBS-61z Cleveland

KWHB-47z Tulsa

WHP-21+ Harrisburg, PA

WYU-22- Scranton, PA

WFU-22- Scranton, PA

WFU-24z Memphis

WZTV-17+ Nashville

KXLN-45z Rosenberg, TX

WACY-22+ Appleton, WI

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St Ch ERP HAAT Call City	
St Ch ERP HAAT Call City AR 48 1000 312 KVTJ Jonesboro	35-53-17 90-56-09
0.6mi. NE of Egypt School, Egypt, Lawrence	Co:
51 no 533 KAJW Tolleson	33-20-03 112-03-38
South Mountain, Phoenix tower farm	
FL 63 5000 157 WPPB Boca Raton	
300m NW of I-95 & NW 19th St., Lauderhill,	Broward Co. (WFTL-AM)
IA 48- 5000 451 KTVC Cedar Rapids	
RY 67 400 nc WAOM Morehead	
Triange Electronics Site, Daniel Boone Nat.	
MT 18 2690 585 KWYB Butte	
XL Hts., 5km E of Butte & 500' S of KXLF-4	& KTVM-6
NY 51- 5000 312 WAQF Batavia	42-57-23 78-08-16
RI 69 2880 229 WOST Block Island	

CHANGES GRANTED TO EXISTING STATIONS

9t	Ch	ERP	HAAT	Cal	1 City			
CT	59	5000	314	WBNE	New Haven			
FL	32	5000	nc	WIMV	Lakeland			
GA	21	5000	600	WJXX	Brunswick		31-08-22	81-56-15
Buff	alo C	reek Cr	ossin	g near	r Nahunta.			
MI	41	5000	no.	WOTV	Battle Cree	ek		
737k	W ver	tical.						
NC					Kannapolis		35-15-41	
N of	Plaz	a Rd. E	xtend	ed, 2	.3km SSE of	Newell,	Mecklenburg	Co. (WSOC)

CHANGES GRANTED TO EXISTING STATIONS

st	Ch	ERP	HAAT Call City		
OH	53	ne	362 WWHO Chillicothe	39-35-20	83-06-44
400m	N of	US-22,	800m NE of Williamsport,	Pickaway Co.	
VI	8	ne	292 WSVI St. Croix	17-45-21	64-47-56
Plot	549A	Estate	Mon Bijou, 9.7km W of Ch	ristiansted.	
WI	10*	213	343 WMV8 Milwaukee	43-05-38	87-54-10
500m	N of	Capitol	Drive on Holton Ave. Ext	ended.	

CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	l City			
MT		2690					46-00-24	112-26-30
XL	Hts.,	5km E of	Butt	e & 50	0' S of KTVM-6	å	KXLF-4;	
NY	26	5000	463	WTJA	Jamestown		42-23-36	79-13-44
900	30 Cent	cer Rd.,	Arkwr	ight,	Chautaugua.			

TECHNICAL CHANGES ON THE AIR

WTWC-40 Tallahassee, FL WNGM-34 Athens, GA	unknown changes. increase power & tower height: move closer to Atlanta.
WHTM-27 Harrisburg, PA	switch to elliptical polarization, slight power decrease, directional antenna.
WLEF-36 Park Falls, WI	power increase, minor decrease in tower height.

NEW STATIONS ON THE AIR

WRAL-HD-32 Raleigh, NC July-25	See "Construction Permits Granted for New Stations" for details.
KMNZ-62 Okla. City, OK July 25	537kW/144m, 35-36-48 97-28-07, about 5km NE of the OKC tower farm.
WTWB-19 Johnstown, FA July 30	3020kW/325m, 40-10-51 78-09-45, Pea Vine Hill, 10km SE of Ligonier. WB affiliate. This one is actually the return of long-dark WFFJ-19.

CALL CHANGES

WAYQ-26	Daytona Beach	WNTO-26
WGGT-4B	Greensboro, NC	WUPN-48
WKAY-64	Kannapolis, NC	WAXN-64
WEJC-20	Lexington, NC	WBFX-20
new-51 1	Batavia, NY	WAQF-51
WNYC-31	New York, NY	WBIS-31
WVGV-59	Lewisburg, WV	WVSX-59

PROGRAMMING CHANGES

WAAP-16	Burlington, NC:	to INfomall	
WUPN-48	Greensboro, NC:	to UPN (assumed)	
WKPV-20	Ponce, PR:	to INfomall	
WJWN-38	San Sebastian, PR:	to INfomall	
WSJN-24	San Juan, PR:	to Infomall	
KIVV-5	Lead, SD:	to Fox	
KEVN-7	Rapid City, SD:	to Fox	
WVSX-59	Lewisburg, WV:	to Fox (expected on in December)	

OTHER STUFF

Well, the FCC's been at it again... 23 new-station applications, and a few dozen facilities changes. I haven't seen anything official about this, but strongly suspect stations are scrambling to lock in the highest possible ERP/HAAT before the DTV conversion begins. The FCC has stated they'll consider a station's licensed power - not a fixed coverage area - when deciding how far to protect a station from interference. I believe the rush for new noncommercial stations is also spurred by DTV, Congress has threatened to auction unused noncommercial assignments, and the FCC has stated they'll use them for commercial DTV assignments if they have no other choice. Speaking of DTV assignments, the FCC has released another proposed table. It's available for free download from www.fcc.gov.

The Pittsburgh market has been especially volatile lately; Chris Cuomo, Mark Freier, Eric Voytko, and others have been helping me keep up. First, long-dark WPTJ-19 Johnstown has finally returned to the air. The station is now WTWB, a WB affiliate that relays WBPA-LP-29 Pittsburgh. This is the first case I'm aware of of a full-license station relaying a LPTVI Incidentially, Enc Voytko has also seen WYVN-60 Martinsburg, WV testing. I believe this station will be InfoMall for Washington, DC.

Also in Pittsburgh, the FCC has come to a decision on WQEX-16's request to convert to commercial operation. The request has been denied; the FCC has never before allowed a non-commercial channel to be "de-reserved" without providing a substitute channel. However, WQEX had a second alternative which will probably now be deployed. Expect WQEX to trade channel 16 to religious outfit Cornerstone Television in return for their WPCB-40 Greensburg Channel 40 is a commercial channel; WQEX will then sell channel 40 and split the proceeds with Comerstone Channel 16 will become a religious station; it's anyone's guess what channel 40 will do!

Dennis Park Smith wrote from California with information on various stations on the West Coast. I'd speculated new KNSO-51 Merced was a simulcast of Univision affiliate KCSO-19 Modesto - Dennis says it isn't so. KNSO does relay KCSO's English religious programming overnight & mornings. But in the afternoons, VCC home shopping is aired. In prime-time and weekend late nights. Oriental programs are carried including the "26 Cantonese Evening News" from KTSF-26 San Francisco.

In Bakersfield, KABE-LP-39 is no longer a 100% relay of KFTV-21 Hanford. The Univision affiliate has its own signon and commercials. Dennis doesn't know if there's any separate program content, but suspects there is. KMPH-LP-58 is definitely independently programmed from KMPH-26 Visalia, though it does also carry some channel 26 programs.

Both Bakersfield stations are Fox affiliates, the home shopping programs have disappeared from channel 58. Another Univision affiliate, KO7TA Santa Maria, has been seen with local evening news. In McKittrick (Dennis, where's that?) K50CL is now off. KKAG-61 is now entirely Panda American Shopping Network (PSN) K69GV Sanger/Fresno is another VCC Home Shopping station, Dennis swears it's broadcasting on channel 68! In Turlock, Dennis saw new KBSV-23. (this is a full-license station, licensed to Ceres). The ID read "KBSV, Assyria Vision, Channel 23", and the on-camera DJ also mentioned their radio station, KBES-89.5.

Finally, going on to the Bay Area, K30Bl San Jose ("KBI-TV") is no longer an all-news operation. Morning programming is from Channel America, followed by the Ali News Channel, and then NET political news/talk. KMTP-32 was off during Dennis' visit. KFTL-64 and its channel 24 translator (which I can't find in the current database!) are still religious at night and Shop at Home during the day. KCMY-29 Sacramento is now with InfoMall. And K22DD. formerly a Galavision affiliate, is now a TBN

Frank Aden of Boise has news of KHDT-9 there. The home shopping programs are to be dropped, and WB programming added to the current UPN fare.

Hopefully, things will settle down to normal at the FCC next month & I'll have room for LPTV information again.

73 Doug

FM NEWS

SEPTEMBER 1996

edilor- GREG CONIGLIO 5100 GLENWOOD DRIVE WILLIMASVILLE, NEW YORK 14221

> E-MAIL coniplio@localnet.com TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication: M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479 PHONE (615) 865-1525 FAX (615) 865-2598

KEY:

& satellite programming for a new FM license CC call change/new calls assigned Cl city of license change granted CO new xmtr co-ordinates CX: a CP has expired, and is cancelled C1 C2, etc. change in class status DA: directional antenna DE: calls deleted, license returned to FCC FC: station format change

allocations GE: station was granted extension of a CP AFI new freq. allocation accepted for filling GX: granted replacement of expired CP C filed for license to cover (for new stn.) MC: multiple-city legal ID NC: no change yet, on a reported pending grant/change. ND: non-directional NO: station is not on the air NS, a new station granted a license OSA: one-step application NW: new station signs on the air PA: proposed amendment to change table of allocations PC>: a power change (increase)

GA: granted amendment to table of FM PC< a power change (decrease) PG>: power change granted (increase) PG<: power change granted (decrease) QC: frequency change for this station OG: frequency change granted RA: station returns to the air RE station requests extension of a CP RX: station requests re-instatement of an expired CP SG siogan change or update SI: station is silent XA: disimased amendment to the table of FM allocations XC: station changes xmtr site XG: station granted a transmitter (xmtr)

site change



UNITED STATES

ALABAMA: Brewton WGYJ 90.9 NO-RE WFOW106.1 CC (NS) WZLM 97.3 adds WW1 a/c (&) Dadeville: WAGF101.3 adds Jones soft AC (&) Dothan: WESP102.5 FC to classic hits "Arrow" Dothan: E.Brewton: WZEW 95.7 NO-GXa *NS 99.9 6 kW, 328 ft. FVA: WQLT107.3 PC< 93 kW, 1017 ft, class C1 Florence: Gadsden: 'NS 89.9 AF Jackson: WHOD 94.5 NC to 38 kW, 567 ft, C2, RE Montgomery: WJCC101.9 CC (ax WMKK) Montgomery: WBAM98.9 PC< 9.9 kW, class C2 Osage Beach: WCSN105.7 NO-GE WYNI 101.1 NO-GX (with conditions) WAPR 88.3 NW, variety // WUAL 91.5 Seima: 'NS 91.1 AF Tuscaloosa: WBHJ 95.7 CC (ex WFFX), FC to urban Warrior: WBHK 98.7 FC to urban AC (Birmingham) OSA for class C2, 31 kW, 620 ft. CC (ex WLBI), SG "Kiss FM" XG:33-36-41/88-39-19 Wetumpka: 'NS 97.9 3 kW, 328 ft., PG> 3 kW, 328 ft XG:32-28-07/86-09-35 Anchorage: KWQJ 92.9 NO-RX KYKD 100.1 PC> 7.7 kW, class C3 College KUWL103.9 PC> 2.9 kW, -86 ft XC:84-52-38/147-48-46

Fairbanks: KIAK 102.5 PC> 55 kW, 1620 ft, class C Houston KADX 94.3 NO-GE Ketchikan, *NS 99.9 40 w, 2234 h. Kodiak: KRXX 101.1 CC (ex KJJZ) ARIZONA: Douglas: KRMC 91.7 NO-RE Glendale: KOAZ 103.5 CC (ex KTWC) Page 'NS 91.7 AF Paradise Viv. KBUQ105.9CC (ex KXLL), NW. country "Young Buck" (Phoenix)

Phoenix: KFLR 90.3 PG<3.9 kW. 1591 ft. Prescott Viy KKLD 98.3 CC (ex KDTK) "Cloud" San Carlos: KCDX 103 7 NO-RX Tuscon: 'NS 88.5 AF Window Rock KWRK96.1 NO-GE Winslow: KFMR 95.1 CC (NS)

ARKANSAS: Blytheville: *NS 91.5 AF (AFA: Amer. Family Assoc) Conway: KASR 92.7 CC (ex KTOD) Crossett: KAGH 104.B adds WW1 country (&) El Dorado: *** 101.5 PA to add class A Ft Smith: KAOW 88.9 LC 'NS 102.5 AF Gould: KOCY 105.3 OSA for class C3, 25 kW, 328 ft Hoxie: XG:36-03-38/91-02-44 Jacksonville: KDDK100.3 PC> 82.9 kW, 1053 ft Little Rock: KSYG 103.7 inc 1515', XC:34-47-56/92-29-44 Newport: KOKR 96.7 NC to 35 kW, 548 ft., GE KERX 95.3 adds Moby Paris: KAFW103.7 NO-GE Wilson

CALIFORNIA KLYY 107.1 CC (ex KMAX), "Y 107" Arcadia. KISL 98.7 NO-GE Avalon: KRCI 92.7 FC to soft AC // KNJO 92.7 Avalon: Bakersfield KIWI 92.1 PG< 2.5 kW, 508 ft. XG:35-29-11/118-53-21 Bakersfield: KERN 94.1 XC:35-26-17/118-44-22(1332') Bakerstield: KGFM101.5 PC>6650w, 1299 ft XC:35-26-17/118-44-22 Bakersfield: KFRB 91.3 PG>117 w. LC Beaumont: KAEH 100.9 NW, religion

Calistoga: KRAZ 100.9 CC (NS), NW, country "Krazy" Camarillo: KOCP 95.9 NC to 1.1 kW, 1476 ft. RE Columbia: KTDO 98.9 PC> 6 kW, 328 ft, XC:38-02-15/120-22-05

Corcoran: KLCZ 102.3 NO-RX Dunsmuir: KZRO 100.1 NW religion Farliment KNAC 93.5 NO-GE(3rd)

E.Porterville KOJJ 100.5 PG<2.1 kW, 1109 ft. class B1 XG:35-56-45/118-53-10

KAKD 88.3 NO-RE

Fallbrook KSYY 107.1 CC (ex KBAX) "Y107"

Farmington: NS 94,3 AF

FM NEWS

Hinois:

California: Fort Bragg: KLLK 96.7 PA: to CL; Willits; CA; class Fort Bragg: KSAY 98.5 PC> 9.5 kW, 453 h; B1 Lancaster: KTLW 88.9 NO-GE Livermore/Pleasanton:KPIX2 95.7 NS-91w(v):KPIXS: Los Banos: KQLB 106.9 FC to Real Country (&) Mariposa: KHOP 103.9 CC (ex KROW) Merced: KFIE 107.7 RA with Spanish, CC (ex K7 Modesto: KROW104.1 CC (ex KHOP), "Arrow" Modesto: KEJC 93.9 NO-RE Newport Bch: KBCD103.1 FC to dance // KACD 103.1 Pacific Grove: KAZU90.3 PC< 3.7 kW, 522 ft, class B Riverdale: "** 98.3 PA to add class A Secramento: KEDR88.3 QG to 88.1, 12.5 kW (y), 99	В
For Bragg: KSAY 98.5 PC>3.5 kW, 453 ft, B1 Lancaster: KTLW 88.9 NO-GE Livermore/Pleasanton:KPIX2 95.7 NS-91 w(v):KPIXSa Los Banos: KQLB 106.9 FC to Real Country (&) Mariposa: KHQP 103.9 CC (ex KRQW) Merced KFIE 107.7 PA with Spanish, CC (ex KR Modesto: KRQW104.1 CC (ex KHQP), "Arrow" Modesto: KRQW104.1 CC (ex KHQP), "Arrow" Modesto: KEJC 93.9 NO-RE Newport Bch: KBCD 103.1 FC to dance // KACD 103.1 Pacific Grove: KAZU90.3 PC<3.7 kW, 522 ft, class B Rio Dell: KMGX107.1 QG to 107.3 Riverdale: "* 98.3 PA to add class A Sacramento: KEDR88.3 QG to 88.1, 12.5 kW (v), 99 XG:38-14-50 / 121-30-03 San Diego: KPLN 103.7 CC (ex KMKX), "The Planet San Francisco: KLLC97.3 FC to adult modern, "Alice" CC (ex KRQR)Santa Monica: KACD 103.1 FC to dance (Los Angeles) Santa Rosa: K21 fC090.1NS-25w(v): KLVR91.9 Sant Santa Rosa: K21 fC090.1NS-25w(v): KLVR91.9 Sant Santa Rosa: K21 fC090.1NS-25w(v): KLVR91.9 Sant Santa Rosa: KJMY 103.9 PG>1.4 kW, 604 ft XG:38-35-11 / 121-55-24	B
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Newport Bch: KBCD 103.1 FC to dance // KACD 103.1 FC to Dell: KMGX107.1 OC to 107.3 FL to add class A Secramento: KEDR86.3 QG to 88.1, 12.5 kW (v), 99 XG: 38-14-50 / 121-30-03 Gan Diego: KPLN 103.7 CC (ex KMKX), "The Planet San Francisco: KLLC97.3 FC to adult modern, "Alice" CC (ex KPCR) Santa Monica: KACD 103.1 FC to dance (Los Angeles) Santa Rosa: K211C090.1NS-25w(v): KLVR91.9 Sant Santa Praz: KAGA 105.9 NO-GE Seaside: KJMY 103.9 PG> 1.4 kW, 604 th XG: 36-35-11 / 121-55-24	
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Santa Rosa; K211CO90.1NS-25w(v); KLVR91.9Sant Santa Ynaz; KAGA 105.9 NO-GE Seaside: KJMY 103.9 PG> 1.4 kW, 604 tt XG:38-35-11/121-55-24	
Santa Ynaz KAGA 105.9 NO-GE Seaside: KJMY 103.9 PG> 1.4 kW, 604 tt XG:36-35-11/121-55-24	aRosa
Seaside: KJMY 103.9 PG> 1.4 kW, 604 ft XG: 36-35-11 / 121-55-24	
XG:36-35-11/121-55-24	
Shafter: KGZO 91.9 NW Spanish religion (Baker	
SIN CHY KNYH DO O DES E MM DA	rstield)
JULI DIE RITALI DE DI L'UN DATE UN	
XG:33-37-46/117-08-29	
Sutter Creek: KSAC107.5 LC	
ehachapi: *** 100.1 PA to add class A	
urlock: KBDG 90.9 PC>780 watts	
Wentynine Palms: KCDZ 107.7 OSA to B1, 6.7 kW.	305 H.
Jkish: KQPM105.9 FC to CD Country (&)	
Uklah: KQPM105.9 FC to GD Country (&) Uklah: KUKI 103.3 NC to 2.7 kW, 1827 ft. GE (3rd)
/entura: KVYY 107.1 CC (ex KAXX): "Y 107"	
V.Covina: KRTO 98.3 CC (ex KMQA) "La Nueva F	titmo"
COLORADO:	
Brush: "NS 106.3 AF	
Dathedral Bluffs: K285EP 104.9 NS-10w(v): KJYE 92.	300
Clark: 92.9 XA for class C2	000
FI. Collins: KTCL 93.3 XC: 40-05-47 / 104-54-04	
Grand Jct: KMSA 91.3 NC to 3 kW, RE	
Supplied K210BS 88 9 NS-44W KRITT 90 3	
Gunnison: K210B\$ 88.9 NS-44w: KBUT 90.3 Hesperus: K232DA 94.3 NS-10w(v): KDAG 96.9 NM	
Hesperus: K237CR 95.3 NS-10w(v) KKFG 104.5 NN	A
lansen K203CD88.5 NS-93w(v) KTLF 90.5	
fremmling: KRKM106.3 NC to 2.5 kW, 1026 ft, GE	
a Junia: *NS 106.5 AF	
imon: 'NS 103.1 AF	
Montrose: KKXK 94.1 PG> 100 kW, 1883 ft. Montison: K209CC 89.7 NS-96w(v): KWBI 91.1	
Pueblo: KCFP 91.9 Inc. to 633 lt.	
Pueblo: KCFP 91.9 inc. to 633 ft. Walsenburg: KSPK102.3 FC to ABC Country (&)	
CONNECTICUTE	
lamden: WQAQ 88.9 QG to 98.1, 16 w (h & v)	
Store: WHUS 91.7 NC to 1028w(h), 4 kW (v), 5	38 #
DISTRICTOFCOLUMBIA:	
Washington: WDCU90.1 PC> 36 kW, 567 ft, DA	
Washington WGAY 99.5 CC (ex WEBR), FC to soft A	C
FLORIDA	
Alachua: WNDT 92.5 CC (ex WFJZ)	
Belleview: 'NS 91.3 AF	
Ceder Key: WRGO102.7 CC (ex WCOQ)	
Century: WPFL 105.1 CC (ex WKGT)	
Dentury: WPFL 105.1 GC (ex WKGT) Dade City: WGUL 96.1 PG< 2.8 kW, 482 ft,	
XG: 28-28-22 / 82-17-45	

California:	
	Florida:
Fort Bragg: KLLK 96.7 PA: to CL; Willits, CA, class B Fort Bragg: KSAY 98.5 PC>3.5 kW, 453 ft, B1	Homestead WXDJ 95.7 PG< 40 kW, 548 ft, class C2 CL: North Miami Beach, FL,XG: 25-46-29 /80-11-19
Lancaster: KTLW 88.9 NO-GE	Indian River Shores: WOSN 97.1 CC (ex WAAE), NW.
Livermore/Pieasanton: KPIX2 95.7 NS-91w(v): KPIXSanFran	
Los Banos: KQLB 106.9 FC to Real Country (&)	Live Oak: WLVO106.1 NO-RX
Mariposa KHOP 103.9 CC (ex KROW)	Melbourne: WGGD 95.1 QC from 102.3, "Gold 95.1" Miami Bch: WPLL 93.9 CC (ex WLVE) (though the
Merced KFIE 107.7 RA with Spanish, CC (ex KZFT) Modesto: KROW104.1 CC (ex KHOP), "Arrow"	owner claims that these calls were meant for co-owned
Modesto: KEJC 93.9 NO-RE	WSHE 103.5 Ft. Lauderdale, "The Planet")
Newport Bch: KBCD103.1 FC to dance // KACD 103.1	N. Port Richey WJCY 91.5 CX CP for 25 kW, 391 h, XC
Pacific Grove: KAZU90.3 PC<3.7 kW, 522 lt, class B1	CC (ex WLPJ)
Rio Dell: KMGX107.1 QG to 107.3	Orlando: WDIZ 100.3 FC to modern AC "She 100.3"
Riverdale: "** 98.3 PA to add class A	Palm Bay: WWIA 88.5 NW, religion (Titusville)
Sacramento: KEDR88.3 QG to 88.1, 12.5 kW (v), 994 ft	Palm City: WCNO 89.9 inc. to 613 ft, DA
XG:38-14-50/121-30-03	Parker: WPBH 94.5 FC to adult con. (Panama City)
San Diego: KPLN 103.7 CC (ex KMKX), "The Planet"	Pennusco: WIRP 88,3 CC (ex WFHQ)
San Francisco: KLLC97.3 FC to adult modern, "Alice"	Plantation Key: WFKZ103 1 chg to 328 ft.
CC (ex KRQR)Santa Monica: KACD	Pt. Charlotte: WFSN100.1 inc. to 476 ft
103.1 FC to dance (Los Angeles)	Riviera Bch WOLL 94.3 PG> 13 kW, 453ft, DA, class C3
Santa Rosa, K211CO90.1NS-25w(v); KLVR91.9SantaRosa	
Santa Ynez: KAGA 105.9 NO-GE	Tampa: WUSA100.7 FC to hot AC, "Kiss 100.7" Tarpon Sps.WYFE 88.9 dec. 449', XG: 28-22-39/82-40-25
Seaside: KJMY 103.9 PG>1.4 kW, 604 tt XG:36-35-11/121-55-24	Williston: WTMG101.3 CC (ex WFEZ)
Shafter: KGZO 91.9 NW Spanish religion (Bakersfield)	
Sun City: KWXH 92 9 PG>6 kW, DA	Bowdon: WYAI 105.5 NO-GE
XG:33-37-46/117-08-29	Brunswick, WAQC 90.7 CC (NS)
Sutter Creek: KSAC107.5 LC	Crawford: WGMG102.1 PC> 10 kW class C3
Tehachapi: *** 100.1 PA to add class A	Dahlonega: WKHC104.3 CC(NS)
Turlock: KBDG 90.9 PC>780 watts	Douglas: WDMG 99.5 PC> 100 kW, 157 ft
Twentynine Palms: KCDZ 107.7 OSA to B1, 6.7 kW, 305 ft.	XC: 31-30-23 / 82-49-10
Ukish: KQPM105.9 FC to CD Country (&)	Evans: WAEG 92.3 FC to urban AC (Augusta)
Uklah: KUKI 103.3 NC to 2.7 kW, 1827 ft. GE (3rd)	Homerville: WBTY105.5 adds WW1 oldies (&) (Valdosta)
Ventura: KVYY 107.1 CC (ex KAXX), "Y 107"	Lakeland: WHFE105.9 NO-AX
W.Covina: KRTO 98.3 CC (ex KMQA) "La Nueva Ritmo"	Lumber City: WMOC88.7 CC (NS)
COLORADO:	Savannah: W205AX 88.9 NS-75w: KAWZ 88.91D
Brush: "NS 106.3 AF	Sparia: 'NS 102.7 6 kW, 328 ft.
Cathedral Bluffs: K285EP 104.9 NS-10w(v): KJYE 92.3 CO	Valdosta: WYZK 96.7 NC to 50 kW, 492 ft. GE
Clark: 92.9 XA for class C2 Ft.Collins: KTCL 93.3 XC:40-05-47 /104-54-04	Waynesboro:WAEJ100.9 FC to urban // WFXA 103.1
Grand Jct: KMSA 91.3 NC to 3 kW, RE	HAWAII
Gunnison: K210BS 88.9 NS-44w KBUT 90.3	Hilo: 'NS 90.3 AF
Hesperus: K232DA 94.3 NS-10w(v): KDAG 96.9 NM	Honolulu: KORL 99.5 OSA to class C, 100 kW (h), 1965
Hesperus: K237CR 95.3 NS-10w(v): KKFG 104.5 NM	XG:21-23-51/158-06-01 Kailua: KRTR 96.3 NC10 2116 ft. GX
Jansen K203CD88.5 NS-93w(v) KTLF 90.5	Kaneohe KBLZ 104.3 NO-GE
Kremmling: KRKM108.3 NC to 2.5 kW, 1026 ft, GE	Kekaha: KAUI 103.3 NO-RE
La Junia: *NS 106.5 AF	Kula: 96.7 PA to add class A
Limon: *NS 103.1 AF	Lahaina: KLHI 101.1 FC to adult alt. (&) (Maui)
Montrose: KKXK 94.1 PG> 100 kW, 1883 ft.	Walluku: KKUA 90.7 PC> 7 kW, 5527 ft, class C
Morrison: K209CC 89.7 NS-96w(v): KWBI 91.1	IDAHO:
Pueblo: KCFP 91.9 Inc. to 633 ft.	Orofino: NLER 95.3 NC to 6.1 kW, 676 ft., GE
Walsenburg: KSPK102.3 FC to ABC Country (&)	PG> 2.3 kW, 676 ft, C3, XG: 48-28-09 / 115-16-40
CONNECTICUT:	ILLINOID:
Hamden: WQAQ 88.9 QG to 98.1, 16 w (h & v)	Albion: WBJW 91.7 CC (NS)
Storrs: WHUS 91.7 NC to 1028w(h), 4 kW (v), 538 ft	Anna: WRAJ 96.5 RA with CHR/AC, "J96 and K98"
DISTRICTOF COLUMBIA:	(K98 refers to WRIK Metropolis, IL)
Washington:WDCU90.1 PC> 36 kW; 567 ft, DA	Benton: WORL106.3 FC to oldies (&) (Carbondale)
Washington; WGAY 99.5 CC (ex WEBR), FC to soft AC	Canton: WBYS 98.3 QG to 107.9 - 91, 7,8 kW, 276 ft
FLORIDA	XG:40-32-41/90-01-16
Alachua: WNDT 92.5 CC (ex WFJZ)	Carlyle: WCXO 96.7 NO-GE
Belleview: 'NS 91.3 AF	Chicago: WLUP 97.9 FC to talk and rock
Cedar Key: WRGO102.7 CC (ex WCOQ)	Clinton: WHOW95.9 PG> 6 kW
Century: WPFL 105.1 CC (ex WKGT)	Dundee: WZCH103.9 CC (ex WABT)
Dade City: WGUL 98.1 PG< 2.8 kW, 482 ft,	Dwight. WDWT 98.9 NO-GE Elmwood Park, WCKG 105.9 eddsHowardStem(Chicago
XG: 28-28-22 / 82-17-45	Galena: W209AU89.7 NS-16w(v), WJSO 90.1 KY
	I MOIGHO TIENDANDO TAD TOMEN TRANSPORTED
Edgewater WKTO 88.7 NO-GE	and the same and t
Edgewater WKTO 88.7 NO-GE Flagler Bch. WJLH 90.3 NW,//WJLU89.7 w/cont, Christian	Gibson City: WGCY106.3 PG> 6 kW, 321 ft
Edgewater WKTO 88.7 NO-GE	and the same and t

Hillsboro:			NO-RE
Lincolnship			
Maroa:	WUKH	1073	NW. adult rock (&) (Decatur)
Mattoon: but 0	3E		NC to 11,7 kW, 482, CL; Neoga, I
Metropolis:	WRIK	98.3	NC to 50 kW, 492ft, GE
			PC<2.9 kW, 482 ft.
Pikeville :	W2108	BA89.9	NS-30w(v): WJSO 90.1 KY NC to 28 kW, class 8, AX
Quincy:	WQUE	90.3	NC to 28 kW, class 8, AX
Taylorville	WMKP	94.3	6 kW, 243 ft., CC (NS)
lupelo.	W203	AO88.	5NS-27w: WAFR 88.3 MS
			FC to adult rock (&)
			PG< 1 kW, 558 ft,
	42-15-34		
Zion:	On a Sa		noted NOT // WNIZ.97.1
INDIANA		ii. a. ou	III AW
		SK98.7	SG "Lafayette's Worst Music Str."
			talk format)
			PG>3.7 kW
Charleston			
			No XC; RX
			CC (ex WHKW), "Star"
			CC (ex WWJY) "La Zeta"
Evansville:		107.5	
			PG>3.3 kW, 285 ft.
	19-46-32		
Jasper:		91.7	
			NS-25w: WFRR 93.7 Walton
			NS-42w: WFRN 104 7 Elkhari
			PG<2150w., 387ft.
			SG "Hol Talk 106"
DRILIE CIRC		U103.3	PG < 3 kW, 462 ft.
			IPG < 3 kW, 462 ft. 4-00
XG:3	38-12-31	/86-5	4-00
XG:3 Union City:	98-12-31 WOEI	/86-5 88.9	4-00 NO-RE
XG:3 Union City: Veedersbu	98-12-31 WOEI	/86-5 88.9	4-00 NO-RE
XG:3 Union City; Veedersbu IOWA;	98-12-31 WOEI rg: WKŁ	/86-5 88.9 R92.9	4-00 NO-RE NO-RE
XG:3 Union City; Veedersbu IOWA ; Ames:	98-12-31 WOEI rg: WKŁ KUSR	/86-5 88.9 R92.9	4-00 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75
XG:3 Union City; Veedersbu IOWA; Ames: XG:4	98-12-31 WOEI rg: WKŁ KUSR 12-01-47	/86-5 88.9 R92.9 91.9 //93-3	4-00 NO-RE NO-RE OG to 88-5 class A, PG>250w, 75 8-51
XG:3 Union City; Veedersbu IOWA; Ames: XG:4 Davenport:	98-12-31 WOEI rg: WKL KUSR 12-01-47 KCQQ:	/86-5 88.9 R92.9 91.9 7/93-3 106.5	4-00 NO-RE NO-RE QG1088.5 class A, PG>250w, 75: 8-51 NC to 100 kW, 981ft, GE
XG:3 Union City: Veedersbu IOWA: Ames: XG:4 Davenport: XG:4	98-12-31 WOEI rg: WKL KUSR 12-01-47 KCQQ:	91.9 91.9 106.5 190-2	4-60 NO-RE NO-RE QG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38
XG:3 Union City; Veedersbu IOWA; Ames: XG:4 Davenport: XG:4 Emmetsbu	98-12-31 WOEI rg: WKL KUSR 12-01-47 KCQQ: 11-37-58	/86-5 88.9 R92.9 91.9 //93-3 106.5 3/90-2 8100.1	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary
XG: 3 Union City; Veedersbu KOWA; Ames: XG: 4 Davenport: XG: 4 Emmetsbul Keokuk:	98-12-91 WOEI rg: WKL KUSR 12-01-47 KCQQ: 11-37-58 rg:KEMI KOKX	/86-5 88.9 R92.9 91.9 7/93-3 106.5 8/90-2 8100.1 95.3	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd)
XG: 3 Union City: Veedersbu WA: Ames: XG: 4 Davenport: XG: 4 Emmetsbui Keokuk: Lake City: Lamont:	WOEI WOEI RUSR 12-01-47 KCQQ 11-37-58 ROKE KOK NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 1/90-2 9100.1 95.3 106.7 97.9	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF
XG: 3 Union City: Veedersbu WA: Ames: XG: 4 Davenport: XG: 4 Emmetsbui Keokuk: Lake City: Lamont:	WOEI WOEI RUSR 12-01-47 KCQQ 11-37-58 ROKE KOK NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 1/90-2 9100.1 95.3 106.7 97.9	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF
XG:3 Union City; Veedersbu NOWA: Ames: XG:4 Davenport: XG:4 Emmetsbui Keokuk: Lake City: Lamont: Milford:	88-12-31 WOEI rg WKL KUSR 12-01-47 KCOO: 11-37-58 rg KEMI KOKX *NS *NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 8/90-2 8100.1 95.3 106.7 97.9 102.1	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA
XG:3 Union City; Veedersbu NOWA: Ames: XG:4 Davenport: XG:4 Emmetsbui Keokuk: Lake City: Lamont: Milford: Muscatine:	WOEI THE WOEI THE WALL KUSR 12-01-47 KCOO 11-37-58 THE KOKX NS NS NS KWCO	/86-5 88.9 R92.9 91.9 //93-3 106.5 //90-2 8100.1 95.3 106.7 97.9 102.1 93.1	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country
XG:3 Union City: Veedersbu WA: Ames: XG:4 Davenport: XG:4 Emmetsbui Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo	WOEI WOEI RUSR KUSR 12-01-47 KCOO 11-37-58 RGKEMI KOKX NS NS KWCC n: KCW	/86-5 88.9 R92.9 91.9 7/93-3 106.5 1/90-2 8100.1 95.3 106.7 97.9 102.1 93.1 N99.9	4-60 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft.
XG:3 Union City: Veedersbu WA: Ames: XG:4 Davenport: XG:4 Emmetsbui Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo	WOEI WOEI RUSR KUSR 12-01-47 KCOO 11-37-58 RGKEMI KOKX NS NS KWCC n: KCW	/86-5 88.9 R92.9 91.9 7/93-3 106.5 8/90-2 8100.1 95.3 106.7 97.9 102.1 93.1 N99.9 91.1	4-00 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF
Union City: Veedersbu NOWA; Ames: XG:4 Davenport: XG:4 Emmetsbut Keokuk: Laike City: Lamont: Milford: Muscatine: Muscatine: New Sharo Otturnwa:	WOEI TG: WKE KUSR 12-01-47 KCQQ 11-37-58 TG: KEMI KOKX NS NS KWCC NS NS KWCC NS NS NS NS NS NS NS NS NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 8/90-2 8100.1 95.3 106.7 97.9 102.1 93.1 N99.9 91.1	4-00 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF
Union City: Veedersbu NOWA; Ames: XG:4 Davenport: XG:4 Emmetsbut Keokuk: Laike City: Lamont: Milford: Muscatine: Muscatine: New Sharo Otturnwa:	WOEI TG: WKE KUSR 12-01-47 KCQQ 11-37-58 TG: KEMI KOKX NS NS KWCC NS NS KWCC NS NS NS NS NS NS NS NS NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 8/90-2 8100.1 95.3 106.7 97.9 102.1 93.1 N99.9 91.1	4-00 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF
Union City: Veedersbu NewA: Ames: XG:4 Davenport: XG:4 Emmetsbut Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo Oftumwa: Perry: Sageville: Sibley:	WOEI TO WKE KUSR 12-01-47 KCQQ 11-37-58 TO KOKX NS NS KWCC NS NS KWCC NS NS KWCC NS NS KWCC KAJQ	/86-5 88.9 R92.9 91.9 7/93-3 106.5 3/90-2 8160.1 95.3 106.7 97.9 102.1 93.1 N99.9 91.1 91.7 106.1	4-60 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF
Union City: Veedersbu NOWA; Ames: XG:4 Davenport: XG:4 Davenport: Laike City: Lamont: Milford: Muscatine: New Sharo Otturriwa: Perry: Sageville: Slübley: Waterloo:	WOEI RUSR 42-01-47 KCOQ 41-37-58 FOR KOKX NS	/86-5 88.9 R92.9 91.9 7/93-3 106.5 3/90-2 8160.1 95.3 106.7 97.9 102.1 93.1 N99.9 91.1 91.7 106.1	4-00 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF
Union City: Veedersbu NowA: Ames: XG:4 Davenport: Keokuk: Lake City: Muscatine: Miford: Muscatine: New Sharo Otturman Perry: Sageville: Sibley! Waterloo: KANSAS	WOEI THE WOEI	/86-5 88.9 91.9 91.9 91.9 91.9 108.5 108.5 108.7 97.9 102.1 93.1 108.7 93.1 108.7 93.1 108.7 93.1 108.3 88.1	4-90 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country Inc. to 297 ft. AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft.
Union City: Veedersbu 10WA: Ames: XG: 4 Davenport: XG: 4 Emmelsbut Keekuk: Lake City: Lamont: Mifford: Mies Sharo Ottumwa: Perry: Sageville: Slübley: Waterloo: KANSAS Chanufe:	WOEI WOEI RESEARCH KUSR 12-01-47 KCOC INS KOKX NS NS KWCC INS NS KWCC INS NS KWCC INS NS KWCC INS INS KWCC INS INS INS INS INS INS INS I	/86-5 88.9 91.9 91.9 91.9 91.9 93.3 106.5 1/90-2 91.0 95.3 106.7 97.9 106.1 109.3 100.3 10	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-98 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country Inc. to 297 ft. AF 4.4 kW, 384 ft. NO-RX Inc. to 154 ft. PC> 4.3 kW, 181 ft.
Union City: Veedersbu NewA: Ames: XG:4 Davenport: XG:4 Davenport: Lamont: Milford: Muscatine: New Sharo Oftumwa: Perry: Sibley: Waterloo: KANSAS Charufte: Copeland:	B8-12-31 WOEI rg: WKE KUSR R2-01-47 KCQQ 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 91.9 91.0 91.0 91.0 91	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF
Union City: Veedersbu NoWa; Ames: XG:4 Davenport: XG:4 Davenport: Lamont: Miford: Muscatine: Muscatine: New Sharo Otturnwa: Slobley: Waterloo: KANSAS Charufe: Copeland: Dearing:	WOEI RUSR 12-01-47 KCOO: KCOO: KCOO: KCOO: KCOO: KOKX NS KWCC NS NS KWCC NS KWCC KWCC KOO: KOO KBBG KKOY NS	/86-5 88.9 91.9 91.9 91.93-3 108.5 //90-2 97.9 102.1 93.1 100.3 88.1 105.5 103.9 98.1	4-00 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75: 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA for class A
Union City: Veedersbu Weedersbu Weedersbu Weedersbu Ames: XG:4 Davenport: Keckuk: Lake City: Lamont: Milford: Muscatine: Muscatine: New Sharco Otturmwa: Perry: Sageville: Sigley! Waterloo: KANSAS Charute: Copeland: Dearing: Dodge City:	WOEI TO WKE KUSR 12-01-47 KCOC: 11-37-58 TO KOKX NS NS NS NS NS NS NS NS NS N	/86-5 88.9 91.9 91.9 91.9 91.9 1/93-3 106.5 91.0 91.1 93.1 106.1 106.1 106.3 88.1 105.5 98.1 98.1 99.9	4-00 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75: 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country Inc. to 297 ft. AF AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft. PC>-4.3 kW, 161 ft. AF GA for class A NO-GE
Union City: Veedersbu New A: Ames: XG: 4 Davenport: XG: 4 Emmetsbut Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo Otturnwa: Perry: Sageville: Sibley: Waterloo: KANSAS Charufe: Copeland: Dearing: Dodge City El Dorado	BB-12-31 WOEI rg: WKE KUSR 82-01-47 KOOC 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 91.03.1 106.5 106.7 97.9 91.1 91.7 106.1 100.3 88.1 105.5 103.9 98.3 99.1	4-60 NO-RE NO-RE NO-RE OGto 88.5 class A, PG>250w, 75: 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4,4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA for class A NO-GE PC> 100 kW, 617 ft., class C1
Microstope City (Complete Complete Comp	WOEI WOEI REWKE KUSR 12-01-47 KCOO 11-37-58 NS NS NS NS NS NS NS NS NS N	/86-5 88.9 91.9 91.9 91.9 91.0 95.3 106.5 97.9 92.1 93.1 100.3 88.1 105.5 103.9 98.1 93.9 99.1 105.5	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75/8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF
Union City: Veedersbu NoWa: Ames: XG:4 Davenport: XG:4 Davenport: Lamont: Milford: Muscatine: New Sharo Otturnwa: Slobley: Waterloo: KANSAS Charufe: Copeland: Dearing: Dodge City El Derado: XC:3 Herlington:	WOEI TO WKE KUSR 12-01-47 KCQQ KCQQ KCQQ KOKX NS KWCC NS KWCC KNS KWCC KOM KNS KWCC KOM KOM KOM KOM KOM KOM KOM K	/86-5 88.9 91.9 91.9 91.9 95.3 108.5 108.7 97.9 102.1 93.1 100.3 88.1 105.5 99.1 105.5 99.1 99.1 99.1 99.9 99.9 99.9	4-00 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA tor class A NO-GE PC> 100 kW, 617 ft., class C1 9-20 NO-RE
Union City: Veedersbu (Wash) Veedersbu (Wash) Ames: XG: 4 Davenport: XG: 4 Emmelsbur (Keckuk: Lake City: Lamont: Milford: Miscatine: New Sharo Ofturmwa: Perry: Sageville: Slübley: Waterloo: KANSA: Chanufe: Copeland: Dedge City: El Dorado: XC: 3 Herington: Hill City:	RE-12-31 WOEI rg: WKE KUSR R2-01-47 KOQO 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 91.0 95.3 108.5 91.0 95.3 108.7 96.1 91.7 106.1 100.3 91.1 91.7 100.3 98.1 99.1 99.1 99.1 99.1 99.1	4-60 NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country Inc. to 297 ft. AF AF 4,4 kW, 984 ft. NO-RX Inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA to class A NO-GE PC> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS)
Union City: Veedersbu New A: Veedersbu New A: Ames: XG: 4 Davenport: XG: 4 Emmetsbut Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo Otturmwa: Perry: Sageville: Sibley: Waterloo: KANSAS Charufte: Copeland: Dearing: Dodge City El Dorado: Hill City: Independer	B8-12-31 WOEI rg: WKL KUSR KUSR K2-01-47 KOQC 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 95.3 106.5 1/90-2 87.9 102.1 100.3 88.1 105.5 103.9 98.1 105.5 96.3 99.1 109.9 99.1	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NO to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF S0 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4-4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4-3 kW, 161 ft. AF GA for class A NO-GE PO> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS) AF
Union City: Veedersbu Veed	B8-12-91 WOEI rg: WKE KUSR 12-01-47 KCQQ: KCQQ: 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 95.3 108.5 1/90-2 91.0 95.3 102.1 93.1 105.5 100.3 88.1 105.5 98.1 93.1 105.5 99.1 106.1 106.3 99.3 107.9 99.3 107.9 99.3 99.3 99.3 99.3 99.3 99.3 99.3 9	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA for class A NO-GE PC> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS) AF CC (NS)
Union City: Veedersbu Nowa: Ames: XG:4 Davenport: XG:4 Emmetsbur Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo Otturnwa: Perry: Sageville: Sibley: Waterloo: KANSAS Charute: Copeland: Dearing: Dodge City: El Dorado: XC:3 Herington: Hill City: Independer Kingman: Plainville:	WOEI TG: WKE KUSR 12-01-47 KCOQ: 11-37-58 TG: KEMI KOKX NS NS NS NS NS NS NS NS NS N	/86-5 88.9 P82.9 91.9 91.9 91.7 93.1 108.5	4-60 NO-RE NO-RE NO-RE OG to 88.5 class A, PG>250w, 75 8-51 NO to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF S0 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4-4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4-3 kW, 161 ft. AF GA for class A NO-GE PO> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS) AF
Union City: Veedersbu New A: Ames: XG: 4 Davenport: XG: 4 Emmetsbut Keokuk: Lake City: Lamont: Milford: Muscatine: New Sharo Otturnwa: Perry: Sageville: Sibley: Waterloo: KANSAS Charufe: Copeland: Dearing: Dodge City El Dorado: Helli City: Independer Kingman: Hill City: Independ	88-12-31 WOEI rg: WKE KUSR 82-01-47 KOQC 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 95.3 108.5 //90-2 87.9 102.1 93.1 100.3 88.1 105.5 103.9 98.1 105.5 103.9 98.1 100.1 99.9 91.7 100.1 95.3 100.1 96.3 100.1 10	4-60 NO-RE NO-RE NO-RE OGto 88.5 class A, PG>250w, 75 8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4.4 kW, 384 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA for class A NO-GE PC> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS) AF CC (NS) S kW, 358 ft. CC (NS) NW, religion (Topeka)
Union City: Veedersbu (Wash) Veedersbu (Wash) Ames: XG: 4 Davenport: XG: 4 Emmelsbur (Keckuk: Lake City: Lamont: Milford: Miscatine: New Sharo Ofturmwa: Perry: Sageville: Slübley: Waterloo: KANSA: Chanufe: Copeland: Dedge City: El Dorado: XC: 3 Herington: Hill City:	88-12-31 WOEI rg: WKE KUSR 82-01-47 KOQC 11-37-58 rg: KEMI KOKX *NS	/86-5 88.9 91.9 91.9 91.9 95.3 108.5 //90-2 87.9 102.1 93.1 100.3 88.1 105.5 103.9 98.1 105.5 103.9 98.1 100.1 99.9 91.7 100.1 95.3 100.1 96.3 100.1 10	4-60 NO-RE NO-RE NO-RE OGto 88.5 class A, PG>250w, 75: 8-51 NC to 100 kW, 981 ft, GE 4-38 FC to adult contemporary NC to 100 kW, 981 ft, GE (2nd) NO-RE AF 50 kW, 420 ft, DA NW, country inc. to 297 ft. AF AF 4.4 kW, 984 ft. NO-RX inc. to 154 ft. PC> 4.3 kW, 181 ft. AF GA for class A NO-GE PC> 100 kW, 617 ft., class C1 9-20 NO-RE CC (NS) AF CC (NS) S kW, 358 ft. CC (NS) NW, religion (Topeka)

			Charles	TEMBER	1776
	KENTUCK				
	Burkesville	WKYR107.9	FC to .	lones Country (&)	
	Clinton Edmonton	'NS 102.1	12.5 kt	N, 476ft	
ja, IL	Elizabethtow				
				320w, DA, GE	
	Eminence:				
				to 95.1 class A	
	Garrison.	WNUU 98.3	NO-GE	E(3rd)	
	Hopkinsville	WNKJ89.3	noted v	with Spanish relig	prog
	Lexington	WLKT 104.5	CC (ex	(WJGG)	
	Louisville:	WSJW103.9	CC (ex	WOLL), "Smooth	Jazz"
	Monticello:				
	Mt.Vemon:				
	Muntordville			8 kW, 410 ft	
		-10-41/85-5			
				107.7, 3.5 kW, GE	
	Scottsville:				
Stn"				(ex WEHR), FO	to
		nporaryChris			
	Stamping Gr				
	Valley Stn: 1			9 kW, 412 ft	
		-08-16 /85-			
	Westwood: \		NO-CX	-DE	
	LOUISIAN				
	Alexandra: (KOUZ 89.9	NO-GE		
	Alexandria: I	KAPM 91.7	NW, co	intemp. Christian	
	Alexandria: 1				
				for 8 kW, RX	
	Bastrop:	NS 97.3	NC to 3	kW, XC, GE	
	Jackson	NS 104.5	6 kW, 3	128 ft.	
	Jonesboro: I	CTOC 104.9	PC>B	kW, class C3 lassic rock	
	Larose:	(LRZ 100.3	FC to c	lassic rock	
	Mamou:	KAHK 101.1	NO-GE		
	Marksville: I	KAPB 97.7	PG>8	kW	
	Monroe: E			5 kW, 977 ft, G2	
		-33-08/92-0			
				97 kW, 997 ft, RE	
75ft	New Orleans	:WEZB97.1	FC to h	ot AC "B97", also	
	drops	Howard Stem	1.		
	St Martinsvill	e:KAQE91.9	CC (NS	5)	
	MAINE:				
	Freeport: *	NS 89.3	200w(h), BkW(v), 394 ft	
()	Houlton: 1	WHOU100.1	RA with	gold based AC	
1)	Houlton: \\PC> 25	WHOU100.1 5 kW, 328 ft.	RA with	n), 8kW(v), 394 ft. n gold based AC	
1)	islesboro: *	NS 105.5	25 kW.	269 ft. DA	
1)	islesboro: *	NS 105.5	25 kW.	269 ft. DA	
1)	Islesboro: * Portland: \	NS 105.5 WPOR101.9	25 kW.	269 ft. DA	
1)	Portland: \\ MARYLAN	NS 105.5 WPOR101.9 ID:	25 kW, PC< 33	269 ft, DA 3 kW, 604 ft	TB 104 1
1)	Portland: \\ MARYLAN Braddock Hts	NS 105.5 WPOR101.9 ID; B: WXVR 103	25 kW, PC< 33	269 ft, DA 8 kW, 604 ft. CHR*Z104"//WX	TR 104.1
1)	fslesboro: *Portland: \ MARYLAN Braddock Hts Cambridge: \	NS 105.5 WPOR101.9 ID: 8: WXVR 103 WCEM106.3	25 kW, PC< 33 9.9 FC to PC> 6	269 ft, DA 3 kW, 604 ft. CHR*Z104**//WX kW, 325 ft, DA	
1)	Islesboro: *Portland: \\ MARYLAN Braddock Hts Cambridge: \\ LaPfata: \\	NS 105.5 WPOR101.9 ID: 8: WXVR 103 WCEM106.3 WXTR104.1	25 kW, PC< 33 3.9 FC to PC> 6 FC to C	269 ft, DA 8 kW, 604 ft. CHR*Z104"//WX	
1)	Islesboro: Portland: NARYLAN Braddock Hts Cambridge: N LaPiata: N MASSACH	NS 105.5 WPOR101.9 ID: s: WXVR 103 WCEM106.3 WXTR104.1 IUSETTS:	25 kW, PC< 33 9.9 FC to PC> 6 FC to C	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA CHR "Z104" (Wash	nington)
1)	Islesboro: Portland: NARYLAN Braddock Hts Cambridge: N LaPiata: N MASSACH	NS 105.5 WPOR101.9 ID: s: WXVR 103 WCEM106.3 WXTR104.1 IUSETTS:	25 kW, PC< 33 9.9 FC to PC> 6 FC to C	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA CHR "Z104" (Wash	nington)
1)	Islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPiata: MASSACH Amherst: Holliston:	NS 105.5 WPOR101.9 ID: E: WXVR 103 WCEM106.3 WXTR104.1 HUSETTS: WFCR 88.5 WHHB 99.9	25 kW, PC< 33 9 FC to PC> 6 FC to C	269 ft, DA 8 kW, 604 ft. CHR "Z104" // WX kW, 325 ft, DA 3 hR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w	nington)
1)	Islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPtata: MASSACH Amheret: Holliston: Northampton	NS 105.5 WPOR101.9 ID: B: WXVR 103 WCEM106.3 WXTR104.1 AUSETTS: WFCR 88.5 WHHB 99.9 1:WHMP99.3	25 kW, PC< 33 9 FC to PC> 6 FC to C	269 ft, DA 3 kW, 604 ft. CHR"Z104"//WX kW, 325 ft, DA CHR"Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w. kW, 325 ft.	nington)
1)	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPista: MASSACH Amherst: Holliston: Northampton Northampton	NS 105.5 MPOR101.9 ID: E: WXVR 100 WCEM106.3 WXTR104.1 AUSETTS: WHOP 99.9 E: WHMP 99.3 E: WEIB106.3	25 kW, PC<33 9.9 FC to PC>6 FC to C NC to 1 QC from PC>6 NO-GE	269 ft, DA 8 kW, 604 ft. -CHR"Z104" //WX kW, 325 ft, DA -CHR"Z104" (Wash -13 kW, 966 ft, GE 	nington)
1)	Islesboro: Portland: NARYLAN Braddock His Cambridge: LaPtata: MASSACH Amheret: Holliston: Northampton Northampton Truro:	NS 105.5 WPOR101.9 ID: WCEM106.3 WXTR104.1 RUSETTS: WFCR 88.5 WHIB 99.9 WHIP99.3 WEIB106.3 WCDJ102.3	25 kW, PC<33 9.9 FC to PC>6 FC to C NC to 1 QC from PC>6 NO-GE	269 ft, DA 8 kW, 604 ft. -CHR"Z104" //WX kW, 325 ft, DA -CHR"Z104" (Wash -13 kW, 966 ft, GE 	nington)
1)	Islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPieta: MASSACH Amheret: Holliston: Northampton Truro: MCHIGAN	NS 105.5 MPOR101.9 ID: E: WXVR 100: MVCEM106.3 MXTR104.1 RUSETTS: MFCR 88.5 MHHB 99.9 1: WHIMP99.3 IVER 106.3 MCDJ 102.3	25 kW, PC< 33 3.9 FC to PC> 6 FC to C NC to 1 QC from PC> 6 NO-GE	269 ft, DA 3 kW, 604 ft. CHR "Z104" // WX kW, 325 ft, DA CHR "Z104" (Wash 3 kW, 968 ft, GE 77 91.5, PC< 17 w kW, 325 ft.	nington)
1)	Islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPista: MASSACI Amherst: Holliston: Northampton Northampton Truro: MICHIGAN Beulah:	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 IUSETTS: WFCR 88.5 WFCR 88.5 WHHB 99.9 9.1:WHMP99.3 WCDJ102.3 IL	25 kW, PC<33 3.9 FC to PC>6 FC to C NC to 1 QC froi PC>6 NO-GE NO-GE	269 ft, DA 3 kW, 604 ft. CHR"Z104"//WX kW, 325 ft, DA 3 kW, 968 ft, GE 11 91.5, PC< 17 w. kW, 325 ft. (4th) WROT)	nington)
0)	Islesboro: Portland: MARYLAN Braddock Hits Cambridge: LaPleta: MASSACI- Amherest: Holliston: Northampton Northampton Truro: Northampton Truro: Charlevoix: Charlevoix:	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 IUSETTS: WFCR 88.5 WFCR 88.5 WFCR 105.9 WHMP99.3 WEIB106.3 WCDJ102.3 UNIVERSE 92.1 WKHQ105.9	25 kW, PC<33 3.9 FC to PC>6 FC to C NC to 1 PC>6 NO-GE NO-GE CC (ex dec 89)	269 ft, DA 3 kW, 604 ft. CHR"Z104"//WX kW, 325 ft, DA CHR"Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w. kW, 325 ft. E(4lh) WROT) 2', XC: 45-10-49/8:	nington)
00	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPleta: MASSACH Amheret: Holliston: Northampton Northampton Truro: MUCHIGAN Beulah: Charlevoix: Detroit:	NS 105.5 WPOR101.9 ID: ID: WXVR 100 WCEM106.3 WXTR104.1 AUSETTS: WFCR 88.5 WHHB 99.9 WHHB 99.9 WCDJ102.3 WKDJ102.3 WKHQ105.9 WKHQ105.9 WYST 97.1	25 kW, PC< 33 9.9 FC to PC> 6 FC to C NC to 1 QC from PC> 6 NO-GE NO-GE CC (ex dec 89) adds D	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2', XC: 45-10-49/8: on Imus	nington)
0)	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPieta: MASSACH Amherst: Holliston: Northampton Northampton Truro: MCHIGAN Beulah: Charlevoix: Charlevoix: E.Lansing:	NS 105.5 WPOR101.9 ID: ID: WXVR 100 WCEM106.3 WXTR104.1 AUSETTS: WFCR 88.5 WHHB 99.9 WHHB 99.9 WHHB 99.3 WCDJ102.3 WCDJ102.3 WWW 97.5 WYST 97.1 WJIM 97.5	25 kW, PC<33 3.9 FC to PC>6 FC to C NC to 1 QC from PC>6 NO-GE NO-GE NO-GE Adec 89 adds D PG>45	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2', XC: 45-10-49/8: on Imus	nington)
11)	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPista: MASSACI- Amherst: Holliston: Northampton Northampton Truro: MICHICAN Beulah: Charlevoix: Detroit: E.Lansling: XG:42	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 IUSETTS: WFCR 88.5 WHHP 99.9 D: WHMP 99.3 WCDJ102.3 IL WBVE 92.1 WKYST 97.1 WJW 97.5 C-40-33/84-3	25 kW, PC< 33 3.9 FC to PC> 6 FC to C NC to 1 QC from PC> 6 NO-GE NO-GE CC (ex dec 89) adds D PG> 45 0-00	269 ft, DA 3 kW, 604 ft. CHR"Z104"//WX kW, 325 ft, DA 3 kW, 968 ft, GE 11 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2', XC: 45-10-49/8: on Imus 6 kW, 512 ft.	, 203 ft.
11)	Islesboro: Portland: MARYLAN Braddock Htt Cambridge: LaPteta: MASSACH Amherst: Holliston: Northampton Truro: MICHICAN Beuliah: Charlavoix: Detroit: E.Lansing: XG: 42 Escanaba:	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 RUSETTS: WFCR 88.5 WHHB 99.9 WWHMP99.3 WCDJ102.3 I WBVE 92.1 WKHQ 105.9 WYST 97.1 WJIM 97.5 -40-33/84-3 WYKX194.7	25 kW, PC< 33 3.9 FC to C PC>6 FC to C NC to 1 QC fros PC>6 NO-GE NO-GE CC (ex dec 89) adds D PG> 45 0-00 NC to 9	269 ft, DA kW, 604 ft. CHR "Z104" // WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2' XC: 45-10-49/8: on Imus 6 kW, 512 ft. (84', class C, XC, 1984', class C, XC, 198	, 203 ft.
11)	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPieta: MASSACH Amheret: Holliston: Northampton Northampton Truro: MCHIGAN Beulah: Charlevoix: Detroit: E.Lansing: XG:42 Escanaba: Grand Rapid	NS 105.5 WPOR101.9 ID: ID: WXVR 100 WCEM106.3 WXTR104.1 MUSETTS: WFCR 88.5 WHHB 99.9 WHHMP99.3 WCDJ102.3 I WBVE 92.1 WKHQ105.9 WYST 97.1 WJIM 97.5 -40-33/84-3 WYKX104.7 S WBVW88.	25 kW, PC< 33 9.9 FC to PC>6 FC to C NC to 1 QC frod NO-GE NO-GE CC (ex dec 89; adds D PG> 45 0-00 NC to 5 9 PC>	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4lh) WRQT) 2', XC: 45-10-49/8: on Imus 6 kW, 512 ft. 884', class C, XC, 45 kW, 194 ft.	5-65-50
	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPieta: MASSACH Amherst: Holliston: Northampton Northampton Truro: MCHIGAN Beulah: Charlavoix: Detroit: L'ansing: XG: 42 Escanaba: Grand Rapidd Grand Rapidd	NS 105.5 WPOR101.9 ID: ID: WXVR 100 WCEM106.3 WXTR104.1 MUSETTS: WFCR 88.5 WHHB 99.9 WHHMP99.3 WCDJ102.3 II WKHQ105.9 WYST 97.1 WJJM 97.5 -40-33/84-3 WYKX194.7 SI WEVER88.5 WYWS8.8 WCUZ101	25 kW, PC< 33 9.9 FC to PC>6 FC to C NC to 1 QC frod NO-GE NO-GE CC (ex dec 89; adds D PG> 45 0-00 NC to 5 9 PC>	269 ft, DA kW, 604 ft. CHR "Z104" // WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2' XC: 45-10-49/8: on Imus 6 kW, 512 ft. (84', class C, XC, 1984', class C, XC, 198	5-65-50
a)	islesboro: Portland: MARYLAN Braddock Hts Cambridge: LaPieta: MASSACH Amherst: Holliston: Northampton Northampton Truro: MCHIGAN Beulah: Charlavoix: Detroit: L'ansing: XG: 42 Escanaba: Grand Rapidd Grand Rapidd	NS 105.5 WPOR101.9 ID: ID: WXVR 100 WCEM106.3 WXTR104.1 MUSETTS: WFCR 88.5 WHHB 99.9 WHHMP99.3 WCDJ102.3 I WBVE 92.1 WKHQ105.9 WYST 97.1 WJIM 97.5 -40-33/84-3 WYKX104.7 S WBVW88.	25 kW, PC<33 3.9 FC to PC>6 FC to C NC to 1 PC>6 NO-GE	269 ft, DA 8 kW, 604 ft. CHR "Z104" //WX kW, 325 ft, DA HR "Z104" (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4lh) WRQT) 2', XC: 45-10-49/8: on Imus 6 kW, 512 ft. 884', class C, XC, 45 kW, 194 ft.	5-65-50
	islesboro: Portland: MARYLAN Braddock His Cambridge: LaPieta: MASSACH Amherst: Holliston: Northampton Northampton Truro: MICHIGAN Beulah: Charlevob: Detroit: E.Lansing: XG: 42 Escanaba: Grand Rapid Grand Rapid Hanoock: Kalamazoo: Kalamazoo: Kalamazoo: Kalamazoo: Kalamazoo: Kalamazoo:	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 RUSETTS: WFCR 88.5 WHHB 99.9 S: WHMP99.3 WCDJ102.3 I WBVE 92.1 WKHQ105.9 WYST 97.1 WJIM 97.5 -40-33/84-3 -40-33/84-3 -40-33/84-3 S: WCUZ101 NS 98.7 NS 98.7	25 kW, PC< 33 3.9 FC to PC> 6 FC to C NC to 1 QC from PC> 6 NO-GE	269 ft, DA kW, 604 ft. CHR*Z104*//WX kW, 325 ft, DA HR*Z104* (Wash 13 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4lh) WROT) 2', XC: 45-10-49/8: on Imus 6 kW, 512 ft. (844, class C, XC, 45 kW, 194 ft. p 26 kW, 702 ft, Gl	5-65-50 GE (4th)
	islesboro: Portland: MARYLAN Braddock Htt Cambridge: LaPieta: MASSACI Amheret: Holliston: Northampton Northampton Truro: VILLIAN Beulah: Charlevoix: Detroit: E.Lansing: Grand Rapid Grand Rapid Grand Rapid Hanoock: Kalamazoo: Leland:	NS 105.5 WPOR101.9 ID: S: WXVR 103 WCEM106.3 WXTR104.1 RUSETTS: WFCR 88.5 WHHB 99.9 S: WHMP99.3 WCDJ102.3 I WBVE 92.1 WKHQ105.9 WYST 97.1 WJIM 97.5 -40-33/84-3 -40-33/84-3 -40-33/84-3 S: WCUZ101 NS 98.7 NS 98.7	25 kW, PC< 33 3.9 FC to PC> 6 FC to C NC to 1 QC from PC> 6 NO-GE	269 ft, DA 3 kW, 604 ft. CHR"Z104" //WX kW, 325 ft, DA 3 kW, 968 ft, GE m 91.5, PC< 17 w kW, 325 ft. (4th) WROT) 2', XC: 45-10-49/8: on Imus 6 kW, 512 ft. 884', class C, XC, 45 kW, 194 ft. 0 26 kW, 702 ft, Gl	5-65-50 GE (4th)

Michigan	1:		"
Newberry:	W259	AD99.7	NS: 18w: WHWL 95 7 Marquette
N.Muskeg	on:WLC	\$98.3	SG "Oldies 98"
Parchmen	t: W262	AF100	3 NS-27w WFRN 104 7 Elkhart, IN
Pickford:	WAD	N105.5	NO-GE
White Star	'NS	88.3	AF
MINNES	DTA:		
Appleton	'NS	88.5	100 kW, 984 ft.
Bagley:	"NS	96.7	25 kW, 328 ft

Buhl 'NS 92.5 39 kW, 558 ft. Brainerd KFGI 103.5 CC (ax KVBR) KLDJ 101.7 OSA to class C2, 18.5 kW, 823 ft. Duluth: Fairbautt KCVN 107.5 NO-CX-DE Hermantown WWAX92.1 NW, adult alt. (&) (Duluth) Orionville: KAHF 106.3 NW. country Roseau: "NS 103.5 50 kW, 161 ft. Roseau: KCAJ 102.1 LC Stayton: KJOE 106.1 PG< 13 kW, 971 ft XG: 43-53-52/95-56-50 Waubun 'NS 89.1 AF

MISSISSIPPI:

Aberdeen: WWZQ105.3 PG> 30 kW Calhoun City *** 102.3 XA to delete this class A Carthage: WSSI 98.3 PG> 20 kW, 328 ft, class C3

XG 32-43-29/89-32-44 Clarksdale: WAID 106.5 adds Banks program Fayette: WTYJ 97.7 PG> 6 kW, 328 ft. WXFJ 97.3 NO-GE (4th) Grenada: " 101.3 PA to add class A Guffport: WGCM102.3 PG< 16 kW, 358 ft XG: 30-27-30 /89-04-46 Holly Springs: WKRA92.7 adds ABC urban AC (&)

Holly Springs: WHLE94.9 XG: 34-55-30/89-40-57 Louisville: WLSM107.1 NC to 12.5 kW, 446', C3. GE McComb: 'NS 90.5 AF(A.F.A.) Philadelphia: WWSL102.3 PG< 4 9 kW, 364 ft, DA XG:32-43-35/89-05-56

Pontonoc: 'NS 91.5 AF Pt. Gibson: WVYE100.5 NO-GE Starkville: WMSU 92 1 XA for 92.3 CL. Ethelsville, MS

Sumrall: WJSJ 106.3 PG< 1 kW, 200 ft. XG:31-21-18/89-31-19

Tupelo WAJS 90.9 NW. cont Christian (&) Yazoo City: "NS 93.1 4.1 kW< 394 lt.

MISSOURI:

Ash Grove: KQMO104.1 CC(exKZPD), FCtoholAC "Q104 PC> 21.5 kW < 354 ft, C3

Boonville: KTLH 93.9 OSA to class C3, 25 kW, Cl.: Fayette, MO, XG: 39-03-28 / 92-28-49

*NS 107.3 AF Kirksville. "NS 90.7 AF

Kirksville: KLTE 107.9 FC to religion Knob Noster, 'NS 89.7 AF

Lebsnon: KTTK 90.7 QC from 89.9, PC> 11 kW, 492 ft. Marble Hill: 'NS 97.3 AF

Marshfield: KKLH 104.7 St. CC (ex KZBE), RA with classic hits(Springfield)

Mtn Grove: KCMG108.5 RA with country, expect a call change to KELE soon

Park Hills: "NS 91.1 AF Pleasant Hope: KTOZ95.5 CC (ax KZBE), "Channel Z" St Lauis: KSIV 91.5 RA with religion

St.Louis: KIHT 96.3 PC< 80 kW, 1027 ft XC:38-34-24/90-19-30

Sikeston: KBXB 97.9 CC (ex KSTG), FC to country SG "B-96"

Trenton KTTN 92.3 adds Jones CD Country (&)

MONTANA:

Belgrade KSCY 96.7 PC>8600w, class C2 Big Sky 'NS 104.5 AF

Deer Lodge! 'NS 96.5 AF Ft Belknap Agency: KGVA 88.1 NO-GX

Hamilton: KUFN 91.9 850w, 499 ft, (U of Mont.) CC (NS) Missoula: 'NS 89 9 1 kW, -262 II

NEBRASKA:

Aurora: KLRB 97.3 OSA to class C1, 100 kW, 715 ft XG: 40-44-56/98-27-54

Bennington, KBRK 93.3 FC to modern AC (Omaha) KMRV 97.3 NO-GE

Crele:KKNB104.1FC to modern AC (Lincoln) KOLT 108.9 PG<7 kW, 102 ft, class C3 XG:41-51-50/103-42-20

Keamey KLPR 91.3 CC (ex KSCV) KLCV 88.5 NW, religion, CC (ex KFBN) KKUL 1053 CC (ex KFGE), FC to oldies

SG "Koal 105" (KFGE moves to new 98.1) KFGE 98.1 NW, CC (ex KUHG), country (8) KKYT 105.3 adds WW1 Hot Country (&) Scottsbluff: K212EJ90.3 NS-250w(v): KAWZ 88.9 ID

NEVADA:

Battle Min: *** 98.5 PA to add class A KELY 101.7 FC to Jones adult alt. (&) Gardnerville: KGVM99.3 NC to 99.1 - 6.9 kW, RE Henderson: KMXB 94.1 CC (ax KJMZ) "Mix 94.1" Las Vegas KBGO 93.1 CC (ex KEYV), "Big Oldies 93" Wendover KYOU1023 NO-CX-DE

NEWHAMPSHIRE:

Bedlord: WOXF 96.5 CC (ex WAEF), FC to rock SG "The Fox"

Campton: WVFM105.7 NO-GE Concord: WJYY 105.5 FC to hot AC Moltonborough, WSCY 106.9 PG< 130 w, 2096 ft. Newport: WXXK101.7 adds WW1 Hot Country (&)

Somersworth WBYY98.7 CC (ex WRDX), "The Bay"

NEW JERSEY:

Atlantic City: WAJM88.9 Inc. to 101 ft. Bridgeton: WNJB 89.3 NO-RE Cape May: WSJL 102.3 FC to classic rock // WMID 99.3

E.Orange: WFMU 91.1 PG> 1.5 kW, 492 ft. DA

XG 40-46-08/74-15-50 Pleasantville:WMtD993 FC to classic rock (Atlantic City) (&)

NEW MEXICO:

Almogordo: 'NS 91.7 AF Amogordo: *** 107.9 PA to add class A Central: KNUW 95.3 NO-GE, LC KAOF 91.1 CC(NS)

Espanola: KYBR 92.9 OSA to class C2, 50 kW, 203 ft XG:36-01-34 / 105-48-18

KAIU 92.7 PG< 1.7 kW, 230 ft. KZNM 100.9 QG to 100.7, 1.7 kW, 194 ft. Grants: Las Cruces: KXDA 103.1 FC to classic rock

Las Vegas: "" 96.7 GA to add class A Las Vegas: K224CK92.7 NS-75w(v): KLYT 88.3 Albuq

Los Alamos: KEFE 107.5 NO-GE (2nd), OSA to C1, 100 kW 298 ft. XG: 36-01-34 / 105-48-18

KRTN 93.7 FC to oldies, country, and alternative rock nights (&)

Santa Fe: KZXA 94.7 PG> 100 kW, 751 ft. class C1 XG:38-03-46/105-55-58

NEW YORK:

Brighton: WAQB 94.1 CC (NS), PG>3.1 kW, 328 ft, ND WXOZ101.5 NW. country (&)

WCTW 98 5 adds Bob & Sheri Chenango Bridge: WYOS 104.1 NW, oldies (Binghamton) CC (ex WJLW)

Clifton Park: WDCD 96.7 CC (exWXXO), FCtoreligion (Alb.)

FM NEWS

Conklin: W265AX100.9 NS-50w WCDW (?) Depew: WBLK 93.7 PG< 47 kW, 505 ft. Garden City: WLIR 92.7 CC (ex WDRE) Geneva: WEOS 89.7 NC to 4 kW, 312 ft. GE 95.5 PA to add class A Hudson Falls, WHTR107.1 FC to CHR "Hot 107.1" CC (ex WMJR)

'NS 88.1 AF Manijus: WAQX 95.7 adds Howard Stern

MLHope: WXHD 80.1 LC New York: WAXQ104.3 FC to classic rock "Q 104.3"

Norwich: 'NS 95.9 NO-RE Novack: WSUF 89.9 NO-RE Ogdensburg: *NS 98.7 3 kW, 161 ft. Olivebridge WAII 88.3 CC (NS)

Oswego: K214AR90.7 NS-8w: KAWZ 91.9 Twin Falls Oswego: WTKV105.5 PG> 4 kW, 397 ft. Patterson WAXB105.5 CC (ex WVYB), "B105" Plattsburgh: WCEL 91.9 CC (ex WCEF), FC to into &

classical // WAMC 90.3 Albany Queensbury WNYQ105.7 CC (ex WSRQ) Ravena: WABY 94.5 CC (ex WEMX) Rensselaerville: NS89.9 340w(v), 761 ft.

Southamoton: WRLI89.9 NO-RE

Syracuse: WXCD105.9 NW, smooth (azz (&) Syracuse: WWHT107.9 FC to CHR, "Hot 107.9" CC (ex WHEN)

Webster: WFRW 88.1 PG> 25 kW, 325 ft, DA XG: 43-04-21/77-05-35

Webster: WDCZ1027 PC> 6 kW, 328 ft, DA XC: 43-10-14/77-40-23

Westhampton: WLRI98.5 CC (ex WRMW) Wurtsboro Hills: W241AC 96.1 NS-4w: WVOS 95.9 Sullivan

NORTHCAROLINA:

Beech Mtn: WECR102.3 NO-GE (2nd), PG< 135 watts 1948 ft. XG: 36-11-03 / 81-52-48

Charlotte: WNKS 95.1 CC (ex WEDJ), "Kiss" Edenton WERX102.5 GA: to class C1, Ct.: Columbia, NC

Hertford: WKJE 104.9 NO-GE (7th) Jefferson: 'NS 106.1 NO-GE

Kinston: WKNS 90.5 QG to 90.3 - C3, PC> 20 kW 312 h, DA, XG: 35-25-01 / 77-48-57

Havelock: WMSQ105.1 St New Bern: WAAE 91.9 CC (NS) Ocean Isle Bch: 'NS93.5 8 kW, 328 ft.

Roanoke Rapids: WZRU 88.5 add 26 kW (v), 413 ft, DA XG:36-27-38/77-33-52

Roxboro: WKRX 96.7 adds WW1 Country (&) Salisbury: WOGR 91.1 CC (ex WNDN), RA expected in August with cont. Christian

Warrenton: WXNC107.3 NO-RE Waxhaw: WNMX106.1 CC (ex WIST)

Wilmington: WRQR104.5 CC (ex WUOY), FC to rock SG "Rock 104.5"

Winston-Salem: WXRI91,3 NO-RE

HORTHDAKOTA:

Arthur: KCQV 96.7 FC to oldies/talk, SG "Cool" Bismarck: KCND 90.5 XC:46-35-23 / 100-48-02 Dickinson: KCAD 99.1 NO-GE FLTatten: KABU 90.7 CC (NS) Hettinger: *NS 93.5 AF Jamestown: KYNU 95.5 adds WW1 Country (&)

KVAG 95.3 CC(NS) Rugby: OHIO:

WXTQ105.5 NC to 6 kW, GX Athens: Beach City: *NS 88.7 AF Bellevue: WNRR 921 PG> 3.7 kW, 118 ft

XG:41-16-26/82-50-25 WMBP 91.9 QC from 91.7, PC> 4.5 kW, 325 Ohio:

Bryan: WGBE 90.9 CC (ex WAOX), PG>850w, 384 ft. Delta: WBUZ106.5 adds Howard Stern (Toledo) Kent: WKSU 89.7 NC to 14.5 kW, 912ft, XC, FIE

Millersburg: WKLM 95.3 removed DA Portsmouth: WNXT 99.3 FC to new rock "The X"

St. Mary's: 'NS 103.3 3 kW, 328 ft. Tiffin: WHEI 93.3 PC> 100w(h), 59 ft, class A Wauseon: WYSA 88.5 NW, c. Christian // WYSZ 89.3

W.Carrollton.WROU92.1 adds Banks (Toledo) Westerville: 'NS 103.9 8 kW, 328 ft

OKLAHOMA:

Bethany: KNTL 104.9 FC to religion (OKC) Bixby: KJMM 105.3 PC> 10 kW, class C2 Clinton: KQMX 95.5 CC (ex KCLI)

Collinsville: KQSY 101.5 NW, religion (Tuisa) Lawton: KMGZ 95.3 OSA for PG> 14 kW, 312, C2

Nowate: KRIG 104.9 QC from 94.3 Oklahoma City: KEBC 94.7 FC to new rock "95-X"

Ponca City: K278AF103.5 NS-25w; KYFW 88.3 KS Ponca City: "NS 89.7 AF

Woodward: KWFX 93.5 RA with WW1 Hot Country (&)

OREGON:

Ashland: KCMX 101.9 inc. to 4310 ft. class C XG:42-04-55/122-43-07

Ashland: 'NS 107.5 5.3 kW, 1420 ft. Bend: KXIX 94.1 FC to adult alternative (&) Eagle Point: KEPO 92.1 QG to 92.9, PG> 14w(h)

Grants Pass: KROG96.9 CC (ex KYJC), FC to adult con Lincoln City: KCRF 98.7 NC to 30 kW, 626', GE

Myrtle Pt: KAHY 94.1 OSA to 1 kW, 1456', class C3 XG: 42-57-32 / 124-16-23

Portland: 'NS 91.1 AF

Redmond: KLRR 107.5 PA: to 101 7 - class C2 Rogue R: K290AF 105.9 NS-80w KZZE 106.3

Warm Springs: KTWI96.5 FC to country # KIJK 95.1.

PENNSYLVANIA:

Beaver Falls: WAMO106.7CC (ex WXDX) Cambridge Sps: *NS104,5 2650w, 502 ft.

Dallas: WDLS 93.7 FC to oldies // WSGD 94.3 Freeland: WWFH103.1 CC (ex WQEQ)

Galeton: WXVE100.7 NW, religion // WCIK 103.1 NY

CC (ex WAIU) Hawley: 'NS 89 1 AF

Jenkintown: WDRE103.9 CC (ex WIBF) McConnellsburg: "NS 103.7 135w, 1555 H.

Masontown: NS 88.5 AF

Meadville: WARC 90.3 PG> 400w, 66 ft XG: 41-38-57/80-08-38

New Berlin: W8GM 88.1 550w, 417 ft. CC (NS) Olyphant: WKQV 95.7 FC to news & talk // WARM 590

Pen Argyl: "NS 89.5 AF Pittsburgh: WJJJ 104.7 CC (ex WNRQ), "Smooth Jazz" St. Mary's: WKBI 94.3 QG to 93.9, class B1, 2350w,80ft.

Spangler: WXLJ 97.3 SI (Johnstown), CC (ex WXVE) WPHD 94.7 PG> 12 kW, 482 ft., DA

class B1, XG: 42-03-43 / 77-21-38 Towanda: WTTC 95.3 FC to oldles (&)

RHODEISLAND:

Middletown: WDGF100.3 CC (ex WOTB), "The Edge"

SOUTHCAROLINA:

Clemson: WCCP104.9 FC to 70's oldies Conway: WJXY 93.9 PC< 3.7 kW, 420 ft Cross Hill: "" 94.1 PA for class A

Easley: WQLI 103.9 CC (ex WXWX), "Oldies 103" Forest Acres: *** 94.3 GA to add class A

Goose Creek: WSSP94.3 adds WW1 standards (&) (Charl.) Greenville: W202AX88.3 NS-12w(v): KEAR 106.9 CA

Green: WOLT 103.3 CC (ex WXWZ), "Oldies 103" Hilton Head I: WIJY107.9 FC to smooth jazz

SouthCarolina:

Myrtle Beach: WJYR92 1 Inc.351 XG 33-43-17 / 78-53-44 Orangeburg WTCB106.7 XA for Ct. to Columbia Sumter: WWDM 101.3 XA for CL to Columbia Walterboro WALI 98.7 CC (ex WONO)

SOUTHDAKOTA:

Hot Springs: KZMX 98.7 FC to Real Country (&) Little Eagle: KLND 89.5 returned RE request as "unnessary fitting" (are they on?)

KKFX 100.7 NO-GE Lowry:

KGGK 98.5 PA: to 98.3 - C1, CL: Wessington Winner: Springs, S.D.

TENNESSEE:

WMFS 92.9 adds Howard Stem (Memphis) Benton: WBIN 93.1 dec.to-7.XG:35-11-15/84-38-15 Clinton: WDVX 89.9 NO-RE Colonial Hts: WLJQ105.9 NO-RE Crossville: WMKW89.3 NO-GE

Crossville: WSWJ102.5 CC (ex WEGE), RA with oldies Jamestown; WCLC105.1 PG> 2850 w., 476 ft. XG 36-18-47 /84-54-39

McGnnon: WTWL101.5 FC to oldies // WTPR 710 Paris 'NS 91.3 1 kW (v), -85 ft. McMinnville:

Memphis: WEVL 89.9 PG< 9.3 kW, 284 ft XG:35-07-46/89-45-30 Minor Hill: 'NS 89.7 AF

Morristown: WMXK 95.9 NC to 920w, 817 R, RX Mufreesboro:WMOT89.5 NC to 100 kW, 584 ft, DA, GE Soddy-Daisy:WFXS102.3 FC to talk

WSMT105.5 NC to 2350w. 528 ft. GE

TEXAS:

Abilene: KAQD 91.3 CC (NS) Abitene: KFXJ 92.5 NO-GE(5th) KATP 101.9 FC to country (&) "Cat" Amarillo. Bells "NS 92.9 5 kW, 328 ft.

Benavides: KXTM 107.7 NO-RE

Bishop: KFLZ 106.9 QC from 107.1, now C3, 25 kW. 328 test

KNEL 95.3 CC (ex KIXV), FC to country Brady: Breckenridge: KROO93.5 OSa to class C2, PG> 50 kW KBLK 92.5 FC to Jones con, Christian (&) Clifton: KWOW103.3 adds Ranchera at nights // KCLE-FM92.1

Coahoma: KBYG 105.5 NO-RE

College Str. KTSR 92.1 NC to 107.3, class C3, 25 kW, RE Farmville: "NS 92.9 8 kW, 328 ft.

Decatur: KDKR 91.3 CC (ex KDTR) *NS 94.9 50 kW, 492 ft. Ft.Stockton: KFST 94.3 FC to CD Country (8)

Galveston: KLTP 104.9 CC (ex KRTX) "Stereo Latino" Hallettsville: NS 99.9 8 kW, 131 ft.

Hemphill: "1 103.9 PA for class A KABH 98.5 NO-RX

Hutto: KIKY 92.1 adds Jones CD Country (&) Ingleside: KAHX 107.3 LC

KWYX102.7 QC from 102.3, 26 kW, 440 ft. Jefferson: KUTX 104.5 PG> 2.3 kW, 531 ft

XG: 32-49-23/94-28-32 KTPB 88.7 NC to 63 1 kW (h), 79 kW (v)

551 ft. DA. C1. RE Lamesa: KIOL 104.7 CC (ex KMMX), still soft AC KZTQ 106.1 PG> 6 kW

Longview: KYKX 105.7 dec 1155', XC:32-35-37/94-49-10. Lubbook: K203CB88.5 NS-62w KGNZ 88.1 Abliene

Madisonville: *NS 100.5 6 kW, 328 ft. 'NS 97.5 AF Olney:

KPHS 90.3 CC (ex KPLN) Pt.Comfort: KAJI 94.1 NO-GE, dec. to 194 ft

XG:28-48-08/96-42-39 Shamrock 'NS 92.7 AF

Texas:

Sherman: KWSM104.1 PG> 11 kW, 492 ft, class C3 CL: Sanger, Texas, XG: 33-25-29 / 97-16-11 Sherman: KIKM 96.7 PC> 5500w. 316 ft. Sherman, K214CK 90.7 NS-250w; WYFG 91.1 SC KSNY 101.7 OSA to 101.5 - C2, PG> 42 kW 535 ft. XG: 32-53-07 / 101-06-37 KMMX100.3 CC (ex KIOL),

still soft AC (Lubbock) KTLR 107.1 FC to Spanish hits // KRVA 106.9 K203CC88.5 NS-90w WAFR 88.3 MS Tupelo:

KBNU 93.7 CC (NS) Uvalda: Whitehouse: KISX 107.3 moving back towards top 40 but still "Mix 107.3" (Tyler)

KMIA 100.7 RA with Telano (Houston) CL from Jasper, TX, PC> 100 kW, 1952 ft.

UTAH:

Centerville KUMT 105.7 PG> 25.5 kW, 3844 ft. KVFM 94.5 FC to classic rock Logan: Mosb: KCYN 97.1 NO-RX

KWCR B8.1 PG< 2 kW, -321 ft, XG: 41-11-17/111-56-43

Roy: KRKR 107.9 FC to rock, CC (ex KRGO) SG "K-Rock" (Self Lake City)

St. George, KZEZ 99.7 CC (ex KSGI)

VERMONT:

Bellows Falls: WZSH107.1CC (ex WBFL), FC to soft AC (&) Mariboro: WSSH101.5 NO-RE, PG< 120w. 745 ft, XG:42-50-46/72-41-16

Royalton: WRJT 103.1 NW alternative // WNCS 104.7 Montpeller (Hanover, NH market) Vergennes: WWGT 96.7 NW, new rock 'The Pulse'

VIRGINIA:

WAEF103.1 GC (NS) Alberta: Blacksburg: WVMJ105.3 PG> 12 kW, 479 ft, DA Bowling Green, WLMN 96.9 NO-GE Buena Vista: WREL96.7 NC to 10 kW, 492', XC, GX Charlottesville: WUMX107.5 GC (ex WLJL), "Mix", FC

to classic hits Charlottesville WVTW88.5 CC (NS) Charlottesville WUVA92.7NC to 750w, 902 ft, GE Chester: WDYL105.7 GA: to 101.1 class A

Colonial Hts: WKHK95.3 PC> 17.5 kW, 394 II XC: 37-26-21 / 77-25-57

Lychburg: WJJX 101.7 PG> 5.5 kW, 692 ft, DA, C3 XG:37-28-07/79-00-27

Martinsville: WPIM 90.5 NO-GE Richmond: WSMJ101.1 NW, smooth jazz. GA: to 105.7 class A

WASHINGTON:

Bremerion: KRWM106.9 PG<55 kW, 1243 ft XG: 47-32-41 / 122-06-28 Dishman: KSPO 106.5 Inc. to 508 ft.

Eatonville: KKBY 104.9 CC (ex KJUN) "The Cowboy" KEYW 98.3 OSA to class C2, Inc. 1214 ft XG: 46-06-15/119-07-51

97.7 GA to add class A Pullman: KTRQ 102.9 CC (NS)

KNDD 107.7 NC to 58 kW, 2342 ft. GE Seattle: Walls Walls: "NS 99.1 AF

WESTVIRGINIA:

Clarksburg: WFBY 106.5 CC (ex WKKW), SG "FBI" WMTD102.3 adds John Boy and Billy WFXN106.3 GA: to class B1 Pocatalico: WRVZ 98.7 PC<630w, 617 ft. XC:38-23-53/81-41-06

FM NEWS

WISCONSIN: Allouez: WJLW106.7 NW in August with country

DePere: WKSZ 95.9 PC<4.5 kW, 774 h XC 44-21-32/87-59-07

Eau Claire WUEC 89.7 PC> 5.2 kW Forestville: *** 1041 PA for class A Green Bay WHID 88.1 NO-RE

Madison: 'NS 91.7 AF

Milwaukee W267AJ 101 3 NS-250w WKKV 100.7 Racine Milwaukee WJZI 93.3 CC (ex WOFM) "Smooth Jazz" Peshtigo: WSFQ 96.3 CC (ex WJMR), NW, soft AC Pt Washington: WGLB 100.1 PG> 6 kW, 318 tt

DA. XG: 43-25-14 /87-55-40 Seymour: WECB104.9 NO-RE Sheboygan Falls: WBFM 106.5 CC (NS) Shorewood: W285AH 104.9 noted on with WFMR 98.3 Stevens Pt. WSPT 97.9 PG> 100 kW, 338 ft. Stevens Pt: WKQH104.9 PG> 21 kW, 358 ft, class C3

CL: Marathon, WI, XG: 44-50-13/89-45-47 Stevens Pt. WWSP 89.9 Inc. to 325 ft. Wausau: WL8L 91.9 PG< 54 w. 836 ft.

Whitewater: WKCH106.5 CC (ex WISQ)

WYOMING:

KLGT1 92.9 NS-360w: KLGT Buffalo Buffalo:

KWRR 89.5 CC (NS) Gillette KAML 96.9 FC to hot AC (&) KKNG1045 LC Laramie:

Pinedale: 'NS 101.1 2.1 kW, -180 ft.

Pine Bluffs: 'NS 105.3 AF U.S. TERRITORIES:

AMERICANSAMOA:

'NS 93.9 AF MARITIMEPROVINCES: Chalan Kanoa: KRNM88.1 NO-GE

PUERTORICO

Carolina: WAHQ107.7 PG<12 kW, 2758 II. XG: 18-18-36 / 65-47-41

Fajardo/Ceiba:WIOA199.9 NS-3w: WIOA San Juan. Mayaguez 'NS 88.3 AF

San German: WCTA95.1 CC (ex WRPC)

VIRGINISLANDS:

Charlotte Amalie: "NS93 1 10 kW. 1414 lt.



ALBERTA:

Calgary. CKIS 96.9 NW. AC/country mix. "Kiss" BRITISHCOLUMBIA

Cranbrook: CKKR 104.7 500w, \$, modern country

MANITOBA:

Winnipeg: CFWM 99 9 CC (ex CKRC), QC from 630 khz still AC "Magic"

ONTARIO:

Thunder Bay: CJLB105 3 QC from 1230, now 100 kW still country music

. More on the change in San Francisco on KROR 97.3, to modern rock "Alice". Recall that KALC 105.9 Denver has been "Alice" for several years now. Frank Wood, president of Secret Communications, who owns KALC, found the name strikingly similar to their slogan, and wrote a letter to KROR's GM Stephen DiNardo, stating that this would cause confusion among people commuting between Denver and San Francisco, as well as for women named "Alice" who had finally found their one station. Upon finding they had two stations with their name, they would develop schizophrenia. In order to avoid a lawsuit because of "these clearly predictable results [that] will cause immense economic damage to Secret Communications as well as stress to its thin-skinned officers". Wood demanded one large case of mushrooms from the Bay area

ESTES PARK

(a list of those attending)

Doug Allen, Woodland Park, CO; Tom Bryant, Nashville, TN; Greg Coniglia, Williamsville, NY; Bill Eckberg, Dixon, IL: Joe Gragg, Palestine, TX: George Greene, Akron, OH; Bruce Hall, Brantford, ON; Wayne Heinen, Aurora, CA; Mike Sanburn, Bellflower, CA: Mary Shults, Teulon, IL: David Sinclair. Vancouver, BC; Doug Smith, Pleasant View, TN; Ralph Strobel, Muncie, IN; Jim Thomas, Ft. Collins, CO; Don and Julia Voegele, Crownpoint, NM; Ernie Wesolowski, Ornaha, NE; and Robert Zent, Huntington, IN.

...turn to page 50 for a complete report!



GEORGE W JENSEN 4804 ANNTANA AVENUE **HALTIMORE MD 21206-4220**

SATELLITE NEWS

Just a few odds and ends to start this months column. The new? Columbia bird at app. 47 W was operational during the Olympic Games. Its format appears to be Ods/Vertical, Evens/Horizontal. Only 1 transponder noted. Very little unencrypted video noted on PanAmSat 3 43 W). The BET on Jazz on Orion had disappeared or gone Digital. The Sarejevo feed remains usually unencrypted. A long time ago when this column started, I spent some time spotlighting a particular satellite each month. I intend to try to resume this practise this month. Covering the arc from West (at this location) to East.

Satcom 5 - Aurora - 139 West in service in 1991 with 10 watt transponders. The Format is Odds/Vertical, Evens/horizontal. Life is estimated at 10 years. Most transponders are beamed to Alaska. Those beamed to the US generally contain a digital audio service for most major radio networks and some SCPC activity.

Transponder 24 is the Alaskan Satellite Television Network and is not visible on the East Coast at all.

Satcom C-1- 137 W in service Fall 1990, with approximate 10 year life and 8.5 watt transponders. Format is Odds/Horizontal Evens/Vertical - This is the weakest and oldest Satcom C Bird still in use. Below is the current line-up of services:

1 - Prime Network - VC2

2 - KMGH - Ch 7 - Denver, Colorado - ABC - VC2

3 - KRMA - Ch.6 - Denver, Colorado - FBS - VC2

4 - Sports Channel Pacific - VC2

5 - KDVR - Ch. 31 - Denver, Colorado - Fox VC2

5 - KCNC - Ch 4 - Denver, Colorado - CBS - VC2

7 - Prime Sports West VC2

B - NBC feeds - occasionally encrypted

9 - Class Sports Network

10 - Prome Sports Southwest VC2

11 - Network 1 VC2

12 - feeds (note disappearance of The SET - Syndicated Entertainment Television)

13 - Sports Channel Chicago VC2

14 - KUSA - Ch. 9 - Denver, Colorado NBC VC2

15 - Sports Channel, CFO (Cincinnati, Florida, Ohio) VC2

16 - Sports Channel Alternative Feeds VC2

17 - Cal-Channel, Prime Sports, Alternate Feeds Channels)

18 - Prime Sports Network VC2

19 - Fox Net VC2

20 -

21 -

22 - Prime Sports Northwest VC2

23 - KWGN - Ch. 2 - Denver, Colorado Warner Brothers VC2

24 - Sunshine Network VCZ

Audio Subcarriers:

2 - Reading Network

3 - Reading Service of the Rockies

5 - Talk Radio Network

6 - Church of Latter Day Saints Radio Network

Next month - Satcom C4 and perhaps an understanding of why so many people have trouble with reception of Cl See you in 30



EDITED FOR THE 'VHF/UHF DIGEST' BY TOM BRYANT, 849 TODD PREIS DR., NASHVILLE, TENNESSEE, 37221

An ad similar to this in recent trade magazines may well signal 'the beginning of the end' for tv DXing as we know it. The story is from 'BROADCASTING' magazine.

HDTV HISTORY WAS MADE on July 23, 1996!



Raleigh, NC, became the first commercial television station in the world to transmit HDTV signals over the air.

WRAL-HD begins broadcasting HDTV

Raleigh station is first to transmit high-definition signal

By Glen Dickson

DTV is on the air in Raleigh, N.C. WRAL-HD began transmitting last Tuesday (July 23) on ch. 32 under an experimental FCC license. The station, owned by Capitol Broadcasting twhich owns WRAI-TV there) beat the Model HDTV Station (under construction by NBC O&O WRC-TV Washington) to the digital transmission punch.

Beauchamp credited the hard work of CBS network engineering personnel and manufacturer support with gerting WRAL-HD on the air so quickly. The



wast-no le using a Herris Sigme CD trenemitter with 8-VSB digital exciter.

Sigma CD transmitter and a sidemounted Andrew antenna and Heliax transmission line: Harris air-freighted the essential 8-VSB exciter from England early last week.

WRAL-HD began by sending only bits of Grand Alliance-standardcompatible data, but by Thursday afternoon was transmitting video

WRAL-TV Chief Engineer Tom | and audio. "We're using a random number generator from Harris right now, and measuring it with a spectrum analyzer." says Beauchamp. "But we're at the full bandwidth for the experimental station is using a Harris | Grand Alliance standard, and we've | tions early next year.

been cooking at full power [100 kw

effective power]." WRAL-HD has pre-encoded videotapes and a one-inch VTR from the Advanced Television Test Center tATTC\ and also has received a Japanese HDTV-standard camera, VTR and monitor from JVC for production use. The station may get an HDTV upconverier for analog tapes from Snell & Wilcox in the next month.

Obtaining receiving equipment may take a while. John Greene, Capitol Broadcasting vice president/ HDTV conversion project manager, is negotiating with the Association for Maximum Service Television (MSTV), the ATTC and Grand Alliance members to use the ATTC's receiving truck, but the truck needs some repairs first, WRAL-HD also wants to borrow the ATTC's prototype encoding interface, made by Zenith, to use with the Harris trans-

With the Model Station Project (funded by the Electronic Industries Association and MSTV) due to begin transmitting on July 31, there may be a scheduling conflict, says Greene.

According to Greene, the EIA plans to have prototype consumer receivers available for public HDTV demonstra-

Jeff Kruszka, Editor 5024 S. Braxton Ave. Baton Rouge, LA 70817

September 1996

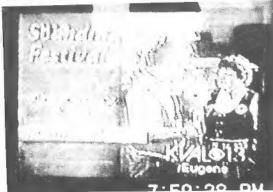
Now some more of my photos from vacation last summer:



KOAB-3 Bend, OR seen 8/9/95 (Bend, OR cable)



KEZI-9 Eugene, OR seen 8/9/95 (Bend, OR cable)

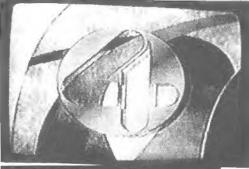


KVAL-13 Eugene, OR seen 8/9/95 (Bend, OR cable)

Photo News

September 1996





KXJB-4 Valley City, ND seen 7/22/95 (Grand Forks cable)



KMCY-14 Minot, ND seen 7/20/95 (Minot cable)



KAYU-28 Spokane, WA seen 8/9/95 (Lewiston, ID cable)



KBYU-11 Provo, UT seen 8/7/95 (Pocatello cable)



KTRV-12 Nampa, ID seen 8/12/95 (Mountain Home cable)

73′5,

986°

Victor Frank 12450 Skyline Blvd. Woodside, CA 94062-4541 e-mail frank@sneezy.srl.com

This month, in an effort to con- serve space while keeping the same type size, we are using a 3-column format and our old WordStar 7.0D instead of WordStar for Windows 2.0. With a column this large, it's just too much
column this large, is's just loo much
hassle to use the latter. About all you'll miss are the gutter lines.

In mid-August I took my IC-7100 to a field site in California's central valley, connected it to a run-of-the-mill TV antenna and tuned the UHF band. 1 23 detected, but did not identify, 66 chandetected, but the Bot teentry, co chain-nels/offsets. Most likely the majority are within a 200 m. radius. We'll see how many we can identify with a good anten as. This will aid out determining the location of some of the UHFs we detect at home. Many are not in the lists.

While it is possible to use both the wide-band PM and nurrow hanc FM modes on the R7100, the former is not optimum-sensitivity suffers and the latter are distorted for all but very low modulation levels. Anybody got a mod for the ICOM 7000/7100 for TV audio?

Jim Pizzi, 814 Brookhill Dr., Paso Robies, CA 93446 (805)238-5271

March :			
1535-u	nIDs 2	-5 Мех	tico SS
1630 K	DBC	4 TX N	łx
X	EPM	2 Juar	ez Vid
K	MID	2 TX	Andio

May :	19 1996	1	Es	PDT
				ID@1100
1042	KACB	3	TX	ADS,
	C	'hani	nel 9	promo
1159	KENW	3	MM	
1508	CKCK	2	SK	ADS
May :	23 1996	3	Zs.	
0900	KXMA	- 2	ND	ID

Jur	ne 199)6 Es			PDI
09	1330	KENW	3	ND	ID
10	1000	CICT	2	AB	
		"7 Ca	gary'	ı,	

			- B 7	
16	0859	KMID	2	TX NxBk
	0928	XHQ	3	loc ads
	0930	XHI	2	
	0931	XHBS	- 4	
18	1610	KDBC	4	TX Nx

	0931	XHBS	- 4			
18	1610	KDEC	- 4	TX	Nx	
		XEPM	2	CH		
		KENWt	3	NM		
	1700	KMID	2	TX		
	1928	KDFW	4	TX	Wx	
	1935	KXAS	5	TX		
	1935	KAMR	- 4	TX		

	1935	KXAS	5	TX	
	1935	KAMR	4	TX	
	1958	KACV	2	TX	ID
19	1932	KHAS	5	NE	NxBk
	1934	KNOP	2	NE	Call

21	1903	KSNC	2	KS	
		(KSN	Stori	n wa	m.ng;
22	1928	KHAS	- 5	NE	NxBk
	1931	KMID	2	TX	News
	Promo				
	1932	KLNE	3	NE	
	End	of BB On KSNB NTV	naha l	Roya.	ls 2
	1934	KSNB	4	NE	
		NTV	Wat	вр	
	2000	KWGN	2	ċο	Nx
		KNOP			
23		KACV			
		KWGN			
			AOS (
	1420	KLNE			
		KNOP			
					10
		CICT			
		mo for ne			
24	1025	KLBY	4	KS	KSN

Ju,	ly .199	6 Es			PD'
02	0758	KDTN	2	TX	CALI
	0758	KWGN	2	CO	
		Denv	cr's T	Wo A	udio
	0800	KSNB	4	NE	NTV
	0800	KCNC	2	CO	
	0830	KLBY	4	KS	
			KAK	Œ 1D)
	0830	KCWK	- 2	KS	

		VAVE ID
0830	KSWK	3 KS
		Smokey Hills
0831	KOAA	5 CO
		CHS. 5/30
1000	RXMA	2 ND CA

,,	1000	17571315	-	7100		
	1000	KDUH	- 4	NE	AD	
	F	OR DEAL	DWC	OD.	SD.	
	1022	KTVQ	2	MT		
		Re	gis Pi	oman	"QZ"	
	1126	KRTV	3	MT	CALI	
		W)	K Pro	mig		

	1343	CICT	2	AB		
		Ca	ilgary	7		
09	0900	KSWK	3	KS	ID	
	0000	un TD	- 2			

42	0200	1741 64 77	_	210	20
	0900	unID	2		
		Rash	Limb	augh	
12	0900	KXMA	2	ND	ID
	0900	KDUH	- 4	NE	CALL
	0910	unID	3		
	Witt	h Bloomb	erg Ni	X (K)	BME ²)

0932 KFOR 4 OK WxMap

Mike Cherry, VE7SKA, Box 631 Ganges PO, Sa (S) ting is, BC V8K 2W2
CANADA

	Auc	tust 1	996	Es		UTC
	04		KTVK	3	AZ	1223
İζ			KNAZ	2	AZ	
2	05	1642	KASA	2	NM	1245
		17008	KENW	3	NM	1467
	08	0002	KNAZ	2	AZ	
		0029	KRNV	4	NV	
	08	0046	KIDK	3	ID	
		0159	KTVK	3	AZ	
			1996 7			UTC
	10	0132	K27C1		WA	92
1				Z-22		
		0146	K68DI		WA	102
			TAE			
V		0151	KNMT		OR	233
			TET			
			KEBN			
	AJO		1996 1			
			KIEM			562
_	Add		1996			224
T		0200	KPDX FOX		WA	229
L		0200	KYVE		TITE	247
		0200	PBS		P/A	241
		0204	KAPP		M.	247
		0204	ABO		9125	241
	A .16	anst '	1996		0-130	n urc
	9 8 995	-	CPCP:			
			KXMA		ND	
			CICT	2	AB	438
			CKCK			855
L			8th (UT			
	OI F	M statio	ns and ft CW, AA	Der red	NE OF	Sy on
		MH2	L IT, MM	1 THI GE	4 / 73	3,00

On the 8th (UTC date) caught a lo
of FM stations and four radio amateurs
(K7CA, K7ICW, AA7A, & N7WS) on
144 MHz

On the 10th I ran a VCR overnight while local CBUT-2 Vancouver was off the air. So far the Perseids are a disappointment

John Ebeling, 6843 CR 47, Alborn, MN 55702

Here is some TV DX from my summer cabin in Prosit, MN. This year has not been the greatest and during the good openings I DX'ed the FM band.

Ju	ne 19	96 Es			CDI
3.0	1700	WCBD	2	SC	WEAR
	1730	MDIO	2	AL	

Ju]	y 195	6 Es			CDT
01	1700	TXLW	- 4	FL	
	Lo I	Band filled,	wen.	L to F	M
02	1100	KMID	2	TX	
	1130	KACV	- 2	TX	
	1214	KNAZ	- 2	AZ	
	1359	KDKA	2	PA	
	1500	WKTV	2	NY	
07	1720	WNBC	- 4	NY	TOFM

Western TV DX			XHGC		??		1638 KIII 3 TX
John Ebehng's report continues		1905	KRIS		TX		XEFE 2 TA
08 1000 KPRC 2 TX	,	1906	XDT local	6 ID:	NL		1830 WPBT 2 FL 2000 WBRZ 2 LA
09 1300-1600 2-5 TOFM	10 (0627	WPBT	2	FL		19 1800 WESH 2 FL
1600 KAVC 2 TX 1900 WCBD 2 SC		1629	WESH		FL		WPBT 2 FL
14 0900-0945 2-4	1	1200	KSL	5	UT		1810 WFOR 4 FL
14 0300 0340 2 4			KTWO		WY		1821 WPTV 5 FL
14 0910 unID 4 French		1300	KIDK		ID		1825 WCTV 6 GA
Church Service (ex-PIX) alternating		2000	KHMT		MT No FL	te 1	1829 WCPX 6 FL 1900 WEDU 3 FL
with what seemed to be CFRS in lower corner of stationary PIX in French			WESH		NC		1900 WEDU 3 FL June 1996 TROPO CST
(Program Listing?)	11 1		WESH		FL		21 2100 KCTV 5 MO
1200 unID 2 Inde		1059	WPBT		FL		noted on skip antenna
pendent Calgary TV & KKTU Cheyenne, WY mentioned (satellite of	1	L249	ICRT	tp3	"Z" C	uba	KTEJ 19 AR
KTWO?)		1330	MEDU		FL		over WHOI
1300 2-4 MT	11		MDIO		AL		WPGD 50 TN
mentioned on 4.	11	701	WBRZ		LA		WTVQ 36 KY
24 1750 2-4 KDFW 4 TX		1701	KRGV		TX		nearly snow-free Opening quickly fizzied
26 1200 2-4 WWL 4 LA		. / 00	KENS		TX		June 1996 Es CST
	1	1759	KRIS		TX		23 1200 XEPB 2 NL
August 4, 1996 CDT			KGBT		TX		June 1996 TROPO CST
1700 WKRN 2 TN Es 2-3			KITI	3	TX		27 0230 WMAW 14 MS
			WPBT		FL		WTVA 9 MS stree
Frank Merrill, P.O. Box 669, Macomb,		1033	KIII		TX		WCBI 4 MS
IL 61455	1	1/15	KENS		Tλ		super rare 0517 W59AD 59 NC
Encoment		1726	XHPN	_	CU		with WUNG-58 test pattern
Equipment. ICOM R 7000 with video adaptor, and					FL		(or is this someone else from there?)
old Zenish M1310 13 inch color set. 1			WFOR		FL		0552" <u>WVMP</u> " 56 TN <u>516</u>
DX, expecially on tropo (due to the	1	1900	LAS V			3,5	Kingsport - łocal
Zemith having better performance or	2	2100	KRTV	3	MT		0600 WNAB 58 TN 364
Zemith having better performance on upper UHF). Most Es. Winegard 8200		2130	CALGA				2000 KHOG 29 AR nearly snow free
it 10 feet, mounted "vertically polar- ized" Some Es, all tr. Winegard 8100		2200	CFQCI		SK		2040 KFAA 51 AR
(all band) at 40 feet	15 0	3959	WEDU		FL FL		2050 K34EG 34 AR 325
	1	L344	XEPM			oID	Eureka Springs 2 music
19 April tr CST			WEDU		FL		2101 <u>K61GJ</u> 61 MO <u>291</u>
0330 WBND 58 IN ABC 244 W69BT 69 IN ABC 244			W69BT	69	IN	244	Aurora KNLJ-25 or relay
I D slide on both		1050	WFOR		FL		Morse code call letter 2158 KSHV 45 LA 575
, ,		1027	WESH		FL		2227 WNTZ 48 MS
11 May Es	1	1030	WPBT		FL		2331 K36DF 36 MO 311
1915 KACB 3 TX			WEDU		FL FL		No.e #2
KWAB 4 TX	1	1200	KTVQ		MT		Joplin Z Mus. c/KNLJ-25
17 No. 04 Tour Count		1205	KPRC		TX		2359 <u>K56FD</u> 56 MO <u>263</u> Springfield America One TV
17 May-04 June Great	1	1230	KSVI	6	MT		28 0006 <u>K46CZ</u> 46 MO <u>311</u>
Lakes/Canada trip	3	1243	KTVM	6	MT		Joplin TBN
June Es_ CST		1250	KIII		TX		0118 K61GF 61 IA 201
06 1300 WPBT 2 FL		1424	KVBC		NA		Iowa Falls TBS/STV
1342 ICRT 3 CUBA TP	-	1800	WUFT		FL FL		0330 KARD 14 LA
1359 WFOR 4 FL	7	1826	WWAY		NC		Huntsville AL's
WEDU 3 FL		1828	WTVY		AL		29 0154 Okla City 14,34
06 2030 KMID 2 TX			WDIQ		AL		2130 <u>K45EJ</u> 45 OK <u>480</u> Enid, Family Net
07 1100 WPBT 2 FL 08 1100 WDIQ 2 AL	J	1900	WEAR		FL		2138 R69GO 69 OK 413
1200 KIII 3 TX	1	1930	WSAV		GA		Tulsa 3ABN
KGBT 4 TX			WPBT		FL		2200 Okla City again
KRGV 5 TX	-		WUND	2			KWMJ 53 OK 413
09 1015 WFOR 4 FL			WTKR		VA AB		Fam Is Net focal ID
1030 WPBT 2 FL			WPTV	5			June 1996 Es CST
WESH 2 PL			WEDU	á			30 1359 KXMA 2 ND KBME 3 ND
WEDU 3 FL 1421 KRGV 5 TX			WPBT	2			KWSE 4 ND
1500 KIII 3 TX			WFOR				July 1996 TROPO CST
1630 KGBT 4 TX			WESH		FL		01 0240 CKCOI 42 ON
1900 XHGC 5 ??			WWAY		NC		London 69 ON
	7	1121	WDSU		LA		21

W	estern TV DX		(CBC Mannoba)	0555 WCMU 14 MI sfree
	ink Merrill's report continues		CBWFT 3 MB	0630 WTOL 11 OH
	0240 WXON 20 MI		1500 CBWYT 2 MB	WTVG 13 OH rare
0.1	Q246 W69BT 69 IN	11	OB53 WRAL 5 NC	CBEFT 54 ON
.711	1v 1996 Es CST		0858 WTKR 3 VA	July 1996 Es CST
	1715 WESH 2 FL		WFMY 2 NC	1600 KPRC 2 TX
	WCIV 4 SC		WUND 2 NC	WWL 4 LA
	WFSB 3 CT		1130 KENW 3 NM	1620 KRGV 5 TX
	1724 WCBD 2 SC		XEJ 5 CI	KGBT 4 TX
	1727 WMAR 2 MD		KDBC 2 TX	1703 KMOL 4 TX
01	1911 WUNC 4 NC		XFPM 2 CI	25 0959 KREG 3 CO
	WUND 2 NC		1530 WMAR 2 MD	KCNC 4 CO
02	0700 KPRC 2 TX		1606 WNBC 4 NY	KWGN 2 CO
	KATC 3 LA		1617 WNYW 5 NY	CFQCI 3 SK
0.2	0700 WWL 4 LA		1620 WFSB 3 CT	1100 KHMT 4 MT
	1228 WPBT 2 FL		1624 WBZ 4 MA	KTVQ 2 MT
	1328 WEDU 3 FL		WCVB 5 MA	1118 KAMR 4 TX
	WFOR 4 FL		WINE 6 MA	1130 XEPM 2 CI
04			1638 <u>CJCB1</u> 6 NS <u>1532</u>	KENW 3 NM
0.6			Note #4	XEJ 5 CI
	1701 KYW 3 PA		1800 CJPM 6 QU	1248 KASA 2 NM
	1704 WLNE 6 MA		1820 CBAT 4 NB	2000?WGBH 2 MA
	1725 WWAY 3 NC		CBAT1 6 NB	2100 WLBZ 2 ME
	1830 WGBH 2 MA		mostly too busy on FM	26 1150 KDFW 4 TX
	WFSB 3 CT	12	0920 CKCK 2 SK	1152 KACB 3 TX
	1844 CKMI 5 QU		0903 CFQC1 3 SK	1200 KXAS 5 TX rare
	1858 WTVH 5 NY		WGBH 2 MA	KOTN 2 TX
Ţй	<u>lv 1996</u> TROPO CST		1630 WMAR 2 MD	Note I (1413, 10 June) Saw a "KHMT"
07	0505 KTBO 14 OK 510		WGBH 2 MA	ID side. I've seen no histing, but am
_	Just barely in		1800 XHPN 3 CU KPRC 2 TX	assuming it to be Hardin, MT with new
	<u>ly 1996</u> Es CST		1820 KIII 3 TX	call letters. I will use these calls through
67	1850 CBFT 2 QU		1833 KHMT 4 MT	the report for logg rigs of this station.
	2052 CFCM 4 QU		2222 KIII 3 TX	Note 2 (0031, 28 June) This station kept
08	1000 KDTN 2 TX		2230 KMOL 4 TX	on switching back and forth between two
	KACB 3 TX	15	0900°WUND 2 NC	on switching back and forth between two or three religous programs. We assume
	2000 WBRZ 2 LA	23	1715 WBRZ 2 LA	if was not mult ple 36s coming in. Their
09	0920 KPRC 2 TX		1730 XEFE 2 TA	signal was probably back and forth be ween MO and AR stat ons on 25, which
	KIII 3 TX		1800 KBTX 3 TX rare	may explain some of this. They may
	0923 XEFB 2 NL		KPRC 2 TX	have manually gone to a satellite feed
	1400 WHSV 3 VA!		KGBT 4 TX	when the signal got unusable,
	1427 WCVB 5 MA		KRGV 5 TX	Note 3 (1103, 10 July) Wisconsin on E-
	1430 WUND 2 NC WEDU 3 FL		1814 KIII 3 TX	skip" Probably I would have loved to
			1818 KATC 3 LA	ID this (which would have been a total
11/5	1431 WWL 4 LA at a strange diversity of locations ¹	16	1125 WESH 2 FL	ly-new logging, as I don't have this via
49.20	1435 WKTV 2 NY		1130 WPBT 2 FL	tropo either). I have never been any-
	1609 KWGN 2 CO		WEDU 3 FL	where and heard or seen an adjacent political unit via Es, though it would bee
	1728 KTVO 2 MT		WJXT 4 FL	easy in some cases (like El Paso from
	WFSB 3 CT		1430 WDIQ 2 AL	Ark, or Quebec from Windsor Ont).
	1827 WCIV 4 5C		WPBT 2 FL	historial (1638-11 July) Mountains
	WCSC 5 SC	18	1430 WUND 2 NC	Note 4 (1638, 11 July) Having the ICOM was indeed a lifesaver here!
	WTKR 3 VA	19	1400 WFOR 4 FL	Station logged with "ATV" logo here. I
	1853 WECT 6 NC		WPBT 2 FL	Station logged with "ATV" logo here. I called CJCH 5 (which happens to be
	1857 WUNC 4 NC	21	1412 KDBC 4 TX	headquarters of ATV), and affiliates
	WUND 2 NC		"XEW" 6+	include CJCH and CJCB, both with 6s.
	2055 WFMY 2 NC		1624 KGWL 5 WY	No other ATVs exist on 6, but CJCH's "6" in Caledon a NS is "+" offset, and
10	0930 WUNC 4 NC		2056 CITL 4 AB	my programming was "Z" offset, which
	WAY 3 NC	Jv	y 1996 TROPO CST	matches Inverness. Wi houl the
	WUND 2 NC	22	0205 W22AG 22 IL	ICOM's ability to actermine offsets, I
	WECT 6 NC		(Waukegon TBN) "rare"	couldn't be certain that the lack of "flutter CC," from KWQC was due to
	1030 CITL 4 AB		0315 WINS 6 MI	the station being other than a 4. After
	1100 KDLH 3 MN 442		(even rarer)	all without measuring offsets it could
	1103 XBJRt 6 WI Note3		0330 WJRT 12 MI	have been a "+" against some unseen station such as CICB1 (") or CBAT-1 or
	1150 CBWFT2 4 MB		(overriding WISN)	STREET OF CHARLES CHICKEN AND PROCESSES
	CBWFT7 2 ON		WILX 10 MI slice	WRTV (via tropo), with KWQC buried by both.
	KDLH in/gone by 1200		0405 CKC01 42 ON	A
	1200 CKND2 2 MB		0448 K14HK 14 KS	Whow. Just when I was convinced
	CBWGT1 5 MB		(Great Bend KSAS-24)	was going to have my first season ever
73			0505 WXYZ 7 MI	without at least one new Es logging, July

We	estern	TV DX					2110	CFAP	2	PQ	938	
Fran	ık Memil	l s report c	onelu	des			2200	WMAR	2	MD	677	
cam	e to the	rescue with	h Ewa	of th			ne 19		000			
		probably i				12	0630	KSAX	42	MN	404	11
tone	become	n the next e I have al	most	THE D	in years,	15	0335	MBND		IN	162	
SIBR	le-hon E	s to log, a	nd Ih	e ven	/	_			LP, Sc	outh I	Bend	
uncl	haracter	istic distan	ces o	t boil	i log-		ne 19		_			
ging	bluow 2	scem to co	nfirn	n Chis		15	1030	XEFE	2	NL	1282	13
	Mariah				, lear		1035	XEFE	2	LA	1149	
have		ere are son				17	2225	WESH	2	FL	983	
COM	e in CH	defied logi AT-6, CB	HFT	1-3. K	MOH-	18	0900	WFOR	4	FL	1229	14
6 AL	ムベルバ	4-2, WIVE	5-4, C	BLI	-D.		0905	WPBT	2	FL	1229	
CIC)H1-6, X	HD-4, XF	IMTS	3-2 (¥	herev-		1000	WCTV	6	GA	807	
		CH-2 and a						WEDU	3	FL	1031	
		from Latin nnei 2). V					1030	WPTV	5	FL	1168	
CON	inues to	be WDT\	7-5, w	hich	btop-		1040	WESH	2	FL	983	
ably	more lil	kely will be	logg	ed vi	a tropo		1100	WTVJ	6	FL	1229	
		out only in					1600	KRGV	5	TX	1189	16
rate	et which	is usually l	narue	2010	sepa-	4.0		KILI	3	TX	1072	-
Idit						19	1900	WPBT	2	FL	1229	<u>J1</u>
	I may o	r may not	go to	Este	s Park		2030	KUTV	2	UT	1139	18
as 1	write thi	s. Fortuna	itely	lodga	ng is		2115	CKCK	2	SK	918	Ju
		n, and if to				20	0800	KPRC	5	TX	893	19
lu.lv	11 ones	with little and streich	or nu ied as	i flori	ast as		0830	KRGV	5	TX	1189	
CB/	F14-95	ing stretch 9 Sydney (1,583	mile	s), and		0900	KIII	3	TX	1072	21
PEI	FMs we	re in for hi	ours ([].444)) The		0935	KDFW	4	TX	738	
		rohahly wu					1000	KENS	5	TX	992	
		of nat for				22	2115	KNAZ	2	AZ	1258	
MU		vhich prob	aviy	17.113.1.1	.arc	27	1500	KENW	3	NM	912	Шy
						Jui			opo 42	3431	101	ma
						26	0405	KSAX	42	MN	404	ele
		berg, 1032	Ster.	ling F	ld.,	27	0530	WYMT	19	NE	402	ext of
DOX	on, IL 6:	1021				27	0120		57 30	KY	449	fee
Tank	20 10	0.6 Ea			CDT		0400	WXMT	14	MS	645	ver
02	ne 19:	96 ES WPBT	2	FL	CDT 1229		0420		6	AR		ele
06		MEDU	3	FL	1031		0420	KEMV	Moun		404	SCI
00	1430	ICRT	3	CUI			0500	WMPN	29	MS	651	lca hig
	1440	WPBT	2	FL	1229			WDBD	40	MS	651	wh
	TAAO	WPTV	5	FL	1168	Jul				1.172	031	JB1
	1500	WTVJ	6	FL	1229	01	1530	WESH	2	FL	983	two
09	1900	KIII	3	TX	1072	An Ar	1600	WPBT	2	FL	1229	SCI 60
10	0700	WAID	2	AL	737		2000	WEDU	3	FL	1031	Q1L
10	0,00	WESH	2	FL	983		1605	WFOR	4	FL	1229	
		WEDU	3	FL	1031		1610	WPTV	5	PL	1168	hug
	0730	KATC	3	LA	809		1615	WTVJ	6	FL	1229	des
	0.00	KALB	5	LA	742		1620	ICRT	5	CUI		of
	0800	KUTV	2	UT	1139		1635	WUFT	5	FL	923	0.7
	0810	WBRZ	2	LA	784		1705	WWAY	3	NC	800	por
	1000	KPRC	2	TX	893		2130	KPRC	2	TX	893	spo
		KASA	2	NM	972	02	1100	WPBT	2	FL	1229	gai len
	1100	KWGN	2	CO	811		1200	WWAY	3	NC	800	SLI
11	1100	WESH	2	FL	983		1230	KTWO	2	WY	849	Can
		WPBT	2	FL	1229		1305	KIDK	3	ID	1123	14
	1300	WBRZ	2	LA	784	04	1630	WLBZ	2	ME	1030	294
	1330	WEAR	3	FL	792		2020	CJCB		NS	1388	Cit a v
	1600	ICRT	3	CUI				00 00	Port F			50
	1655	ICRT	2	CUI			1700	WGBH	2	MO	918	chs
		KRGV	5	TX	1189			WESB	3	CT	842	ap
		KIII	3		1072	06	0930				1229	1ec
		KRIS			1072			WESH			983	a co
		KGBT			1183	07					1272	chi
	1815	KPRC		TX				WFSB		CT	842	, , ,
		WEDU			1031		1805	CKLT			1105	rieme
		WLBZ			1030			CFCM		PQ		Th
		CKLT1			1105			30 911	Quebo			Jul Au
		WTKR		VA			1900	WCAX		VT		The
		WUND				09	0955			TX		Jan
			_					WBRZ		LA	784	_

	1120	11/2/2022		TO T	1023
	1130				
					797
11					1026
			2	TX	893
	1825	WABI	- 5	ME	1030
	1830	WCAX	3	VT	821
12	2030	WEDU	- 3	FL	1031
		WPBT	2	FL	1229
	2130	KIII	3	TX	1072
14	1200	CHAT	- 6	AB	1137
		h.	led.c	ine H	at
	1220	CFQC1	3	SK	1120
	1230	CKBI	5	SK	1063
	1240	CKCK	2	SK	918
	1300	KFBB			
		CFCN	- 4	AB	1293
16	1430	WEDU	3	FL	1031
	1500	WLBT	3	MS	
Jul.	V 199	of Trop	00		
				MN	404
Ju:	y 199	96 Es			
19	1850	WESH	2	FL	983
	1900	WPBT	2	FL	1229
21	1900	CICT	2	AB	1293
		KTVO	2	MT	968
	2000				918
			_		
	1 made	two major	mp	oven	ents in
	12 14 16 Jul 18 Jul 19	1530 11 1100 1825 1830 12 2030 14 1200 1220 1230 1240 1300 16 1430 1500 July 19: 18 1805 July 19: 19 1850 1900 21 1900	1150 XPRC 1825 WABI 1830 WCAX 12 2030 WEDU WPBT 2130 KIII 14 1200 CFQC1 1230 CKBI 1240 CKCK 1300 KFBB CFCN 16 1430 WEDU 1500 WLBT July 1996 Es 19 1850 WESH 1900 WPBT 21 1900 CICT KTVQ 2000 CKCK	WCBD 2 1530 KNAZ 2 1100 KNME 5 1150 KPRC 2 1825 WABI 5 1830 WCAX 3 12 2030 KIII 3 3 14 1200 CHAT 6 6 1220 CFQCI 3 1230 CKBI 5 1240 CKCK 2 1300 KFBB 5 CFCN 4 1430 WEBU 3 1500 WLBT 3 1850 KSAX 42 1900 WLBT 2 1900 WLBT 2 1900 WLBT 2 1900 CICT 2 KTVQ 2 2000 CKCK 2 2000 2000 CKCK 2 2000	WCBD 2 SC SC SC SC SC SC SC

ny antenna system. I screened the re-naining 25% of my CM dish. I added lements to the top and bottom. I nended the elements across one third of the mid-section to better cover the ced. The dish measures 7.5° in the ertical and 10° horizontally. I used lements from three dishes. The ina all creening improved the flo ratio dramat-ratly and improved sensitivity at the ligh end of the UHF band. The cat thiskers and last 25% screening saw animal improvement in t/b ratio. For vo years, the dish has been 75% reened. It survived a sleet storm and mph winds. Dish is 52' high.

I requested and received a special high level signal version of the UA900 designed by RDX Labs. Gain is 15 dB at the high end and 19 dB and the high end of the UHF spectrum. Noise figure is 0.7 dB and uncluded is a redesigned power supply. It now has a permanent spot in my system. A big plus is lower gain, resulfing in reduced image problems and spillover from local stations. Is till see scatter signals daily from Cincinnai 48 and 64 at 308 mi. Evansvil e 14 at 270 miles and Minneapolis 29 at 1944 miles. Now in addition I see Sioux 4 miles. Now in addition I see Sloux ity 14 at 350 mi. and two others. I see very weak Alexandria 42 at 404 mi 0% of the time. Scatter reception on hs 45-69 is unchanged. Chs 14-45 ppear to be extended 50 ml. There is a chnical explanation for this. I'm using conventional TV, not an ICOM audio eceiver A Rohn crankup tower makes hanges quick and easy

1996 Es openings were average the peak was May 22 to June 18 with all 1 good. No Es was seen July 22 to August 2. There were many openings to he Maritimes. Tropo was to 645 mi on une 27

		Western TV DV	21 0050 MCD B 504	
1500 VOD 4 NW DES	0839 WWAY 3 1237	Western TV DX	21 0858 WSB 2 886 0929 WSJK 2 1010	1659 KTCA 2 1116
Western TV DX 1803 K08 4 NM 955 1832 KVOA 4 AZ 1175	0839 WWAY 3 1237 1031 WISC 3 1062	Pat Dyer's report commues	0929 WSJK 2 1010 1354 KTVK 3 836	1720 WBBM 2 1053 16 0859 WDTN 2 1076
Jeff Kruszku, 5024 S. Braxion Ave.	1303 WAVE 3 974	06 1359 KNOP 2 819	1659 KBME 3 1187	16 0859 WDTN 2 1076 0859 WSIL 3 792
Baion Rouge, LA 70817 20 1028 unIDs 3-5 SS	1359 WBAY 2 1183	1524 KDLO 3 1071 1759 KMTV 3 829	2145 KVBC 3 1052	1059 WSAV 3 1040
Egaipment. 1106 XHBS 4 SIN 1130	1702 WBBM 2 1053	1815 KOTA 3 1039	22 1855 KOTA II 1039	19 1515 WEDU 3 994
1992 Zenith "Sentry 2 13" on or TV. Supered ID	2302 KPLC 7 340	08 0929 WBTV 3 1090	2129 KEYT 3 1295	1734 WSAV 3 1040
Channel Master 3614 VIII an inna w/RDX Labs UA-702 preamp, Channel 1121 unID 5 Azteca	23 0040 WVUE 8 519	0934 WWAY 3 1237	23 0828 WDTN 2 1076	20 0957 WEDU 3 994
Master 4228A 8-hay w/RDX Labs UA-	0130 WNOL 38 519	1754 WCBD 2 1139	27 0856 KTVO 3 838	1120 XHBC 3 1022
900 preamp for UHF 1140 unID 6 TVAzteca	0159 WGNO 26 519 1058 WJBK 2 1238	2029 WDIQ 2 739	0858 WBAY 2 1183	1205 KTVK 3 836
July 21, 1996 Tropo	1058 WJBK 2 1238 1129 KDLO 3 1071	2030 WEDU 3 994	1018 WSAZ 3 1123 1043 WAVE 3 974	21 1022 XHBC 3 1022
July 1996 Es CDT 21 0117 KAKWt 62 TX C1 1949 unID 5 3/4 CBs, Waco in	1341 WSAZ 3 1123	2033 WRBL 3 841	1115 KDLH 3 1244	1242 KOTA 3 1039 22 1140 XHBC 3 1022
01 1949 unID 5 3/4 CBs, Waco in Happy Birihday Canada July 26, 1996 Es	1429 KTVQ 2 1245	2105 WRCB 3 867 09 0959 WTKR 3 1371	1322 WJMN 3 1310	24 1545 WISC 3 1062
2000 WDIV 4 MI 935 26 2050 UNID 3 NBC	1459 KTWO 2 1011	1145 WAVE 3 974	30 1044 WCBD 1139	1551 WJBK 2 1238
01 2025 unIB 3 unID 5 Boxing	1758 KVBC 3 1052	1359 KTVI 2 782	1058 WWAY 3 1237	1623 WSAZ 3 1123
"VR" supered lower rightCKVR? NBC	24 0825 WBBM 2 1053	09 1731 KSVI 6 1245	144 1457- 7	25 1115 KDLO 3 1071
2030 WISC 3 WI 875 Note 1 "TV Azieca Canal 7" in sync	0929 <u>KAFT</u> 13 <u>512</u>	2119 KTWO 2 1011	144 MHz Es was noted on Jun 13 (19-2200) into Utah, and much more	26 0850 KGAN 2 960
Madison mendoned, Cod har	0950 KTVI 2 782 0959 WSIL 3 792	10 1059 WDTN 2 1076	stable and extensively on Jun 18 (10-	0932 WWMT 3 1161
2057 WCCO 4 MN 995	0959 WSIL 3 792 1000 WDTN 2 1076	June 1996 tropo	1100) into the Carolinas, GA, and AL.	0950 WBBM 2 1053
MN Twins basebal A decent month for E-skip. The 2159 KDLO 3 SD 1025 UA-702 amp dedicinely helps. I still	1520 WJBK 2 1238	11 0035 <u>K16DI</u> 16 <u>95</u>	My shortest Es that day matches micely in time, position, and the theoretical	1129 KIMT 3 1011
Keloland News have a problem with heavy FM interfer-	1532 WWMT 3 1161	<u>June 1996</u> Es 11 1119 KTVI 2 782	MUF (from the Secant Law) with that	KNOP ID made the hard way by
KTIV 4 IA 880 ence on ch. 6, even with the FM trap	2037 KDLH 3 1244	1431 KGAN 2 960	probable Ch 7 Es path from Matamoros	tracking down the K11TW translator
02 2037 unID 4 Can somebody tell me if CKVR is	2103 WJMN 3 1310	1456 KDLO 3 1071	to Nashville that Doug Smith noted,	that it showed.
SS w/Telmex ad the one with the supered "VR" on the	25 1911 KWGN 2 802	1501 KGFE 2 1289	July 1996 Es CST	Es slowing down a bit, as expected,
04-07 Out of town screen? I've seen a many times. I'm	27 0828 WKRN 2 819	1528 WSAZ 3 1123	01 1308 TGV 3 1120	but the many days of 100+F temps here
08 1954 unID 3 CBS getting closer and closer to 400 sta-	1159 KDLO 3 1071 1759 WSAZ 3 1123	1531 KDKA 2 1292	02 0858 KUSD 2 942	have been producing intense in-state tropo that can mask any Es MUFs for a
09 1/0/ MMVX 2 MC 910	1759 WSAZ 3 1123 1959 WSJK 2 1010	1540 WDTN 2 1076	0859 KDLO 3 1071	few hours in the mornings (and, at the
1711 WCIV 4 SC 680 Local News Par Dyer, 5315 Silvert p Drive,	29 1814 KTVK 3 836	1606 WITI 6 1110 1859 WCIA 3 931	0940 KMTV 3 829	least, hamper the efforts at IDing). That LPTV K02MX 37-w etp 7-mi se of me is
11 1659 WPSX 3 PA 975 San Amon.o, TX 78228-2744	1815 KVBC 3 1052	1859 WCIA 3 931 1939 KIMT 3 1011	0958 KOTA 3 1039	bad enough, but it is often buried by
ID, program schedule	1918 KEYT 3 1295	13 0856 WBAY 2 1183	0959 KNOP 2 819 1100 WCBD 2 1139	Houston and sometimes Denton
2050 unID 3 Equipment Emerson 1987 model 872 VCR used as	2000 XHBC 3 1022	0858 WJBK 2 1238	1132 WWAY 3 1237	
w/"VR" again - NBC programming the timer shead of a 9" B&WKeepsofer	30 1530 KTCA 2 1116	0917 WSAZ 3 1123	1233 WAVE 3 974	Fernando García, Apartado 30, Suc B,
12 1831 KOTA 3 SD 1150 CCTV mon tor Archer V-100 and 8-	1600 KDLH 3 1244 1710 KGAN 2 960	1029 WSJK 2 1010	1241 WDTN 2 1076	Cd Guadalupe, NL, 65181 MEXICO ph
ID, local px bay bow-be UHF array at 20' AGL with	1710 KGAN 2 960 2014 XHBC 3 1022	1048 KNOP 2 819	06 1129 KUSD 2 942	(8)360-5874. 1800' ASL, No re-logs under 500 miles or in the same month
1916 KDLO 3 SD 1025 (019) 1929 KDLH 3 MN 1080	31 0959 WSJK 2 1010	1058 WBTV 3 1090	1602 WWAY 3 1237	All tropo.
1938 UnID 4 FOX May 1996 Es CST	1016 WSAZ 3 1123	1159 WPBT 2 1147 1227 WEDU 3 994	07 0759 WSJK 2 1010	Equ.pment.
2057 KTVS 3 CO 945 11 1629 KDLO 3 1071	1034 WAVE 3 974	1559 KTVI 2 782	0929 WDTN 2 1076 08 0905 KGAN 2 960	Sony KV-27EXR15, Screened CM 7
Tornado warning 1718 KOTA 3 1039	1049 WKYC 3 1253	1610 WBBM 2 1053	1030 KMTV 3 829	dish, 85' RG-11, UA900 amp. Sony KV-
2101 unID 2 1737 KIMT 3 1011 Probable Control of WRP 7 1859 KUSD 2 942	1059 WDTN 2 1076	1629 WISC 3 1062	1058 KOTA 3 1039	13TR27, CM1110 30°, CM 8-bay UHF array 60° with R. Shack amp., both RG6,
Dascoat floating tree works	The KGWL 5 from Lander, WY	1731 KOTA 3 1039	1104 KDLO 3 1071	, , , , , , , , , , , , , , , , , , , ,
2149 KHIV 3 NE 750	was IDed under our local by virtue of	1759 KUSD 2 942	1700 KTVK 3 836	June 1996 tropo CDT
15 1736 KREG 3 CO 1105 2100 KRBC 3 1022 KREX Nx brief, ads 2113 KVBC 3 1052	the 0-heat, CBS, and the primary Ch 14	1800 KMTV 3 829 14 0858 KCBS 2 1106	09 0759 WJBK 2 1238	01 2000 KDTX 58 TX 519
1737 KOAA 5 CO 940 18 2103 WBTV 3 1090	ID (w/o csh)	14 0858 KCBS 2 1186 0940 KTVK 3 836	0759 WSIL 3 792 1030 KUSD 2 942	TBN
5/30, Day & Date 19 0955 XHBC 3 1022	It's likely that low-level Ch 2 Es	1959 WBTV 3 1090	1030 KUSD 2 942 1120 KDLH 3 1244	02 0130 KLAX 31 LA 618
1805 KDLO 3 SD 1025 1130 KEYT 3 1295	persisted all the night of May 21-22, as then, like many days here during the	2001 WJBK 2 1238	1229 KTCA 2 1116	Shop at home 01455KVHP 29 LA 528
Local News 1159 KVBC 3 1052	summer, tropo masking of Es MUF can	2118 KGAN 2 960	10 1323 KIDK 3 1240	KADN 15 LA 584
MILY 4 IM GOO DO OBED HITTH 2 1935	be very intense.	17 0959 WBTV 3 1090	11 0959 WBAY 2 1183	Above two area advs.
DOG WENT TO THE	T. 1004 P- 05F	1131 WWAY 3 1237	1058 KGAN 2 960	0400\$ <u>KAKW</u> @ 62 ATX <u>429</u>
Heartland auto dealer ad 1004 WFMY 2 1173	<u>June 1996</u> Es CST 01 1059 WDTN 2 1076	1722 KDLO 3 1071	1159 KUSD 2 942	Starts 6AM, WB
1905 WCCO 4 MN 995 1016 WESH 2 1040	01 1059 WDTN 2 1076 1148 WCIA 3 931	1727 WSAZ 3 1123 18 0729 WCBD 2 1139	1511 XHBC 3 1022	05 0330 KTXA 21 TX 519
Thunderstorm warming for Dunn Co. 21 1027 WJBK 2 1238	1958 KTVO 3 838	1002 WABG 6 545	12 1659 WBAY 2 1183 1711 WISC 3 1062	SAP is same as Ma.n
1917 WTOM 4 MI 1110 1152 WSYX 6 1141	2000 KGAN 2 960	1016 WECT 6 1228	1711 WISC 3 1042 1729 WJBK 2 1238	KDFI 27 TX 519 27 movies, 27 logo
News Charmel 7 & 4 1231 WITI 6 1110	03 0931 WCPX 6 1056	1259 WCTA 3 931	1754 WKRN 2 819	XHSX 49 TX 519
2000 KSNB 4 NE 700	1058 KDLO 3 1071	1259 KTVI 2 782	1841 WAVE 3 974	HSN
Military invalendo no	1120 KOTA 3 1039	1558 KGAN 2 960	2119 KBME 3 1187	KXTX 39 TX 519
19 1/10 RORA 5 00 540 1950 UPMV 9 1173	1130 KTWO 2 1011	1609 WBAY 2 1183	13 1259 WSAV 3 1040	Texas 39, area advs
Day & Date again 1726 KTVK 3 AZ 1245 1759 WBTV 3 1090	04 1159 WCBD 2 1139 1245 WBTV 3 1090	1917 WKYC 3 1253 19 2111 KGAN 2 960	1259 WDIQ 2 739	0345 KDAF 33 TX 519
Logo lower right 1829 WAVE 3 974	1318 WSAZ 3 1123	19 2111 KGAN 2 960 20 0727 KGAN 2 960	<u>July 1996</u> tropo 15 0000 WAFB 9 446	Area advs.
1729 XHPN 3 COAH 575 1859 WDTN 2 1076	06 1158 WSAZ 3 1123	1059 KTVS 3 807	0003 KLFY 10 376	KFWD 52 TX 522 Spanish
ID Joen as in Photo News 2320 WBBM 2 1053	1259 WDTN 2 1076	1118 KCBS 2 1186	July 1996 Es	ekera 13 TX 519
1741 KDBC 4 TX 910 22 0016 WJBK 2 1238 F19aspads 0029 WDTN 2 1076	1359 KTVO 3 838	1159 KWGN 2 802	1612 KGAN 2 960	Un hann
E17830 803	1359 KGAN 2 960			1D Bars 25
1759 KNME 5 NM 955 U/18 KIVI 2 /02				
AT .				

Fernando Garcia s report continue* WFAA 8 TX 519 The Spuriof TX AB	FOX carroons	<u>K30EA</u> 30 TX	73			
The Spring TV AR	0700 WDBD 40 M5 749 FOX 40	TBN 1415 <u>KOMU</u> 8 MO		Danny Oglethorpe's report continues 02 1459 KTVQ 2 MT 1215	07 1700 CKCO2 2 ON 1103 07 1729 WBAY 2 WI 892	10 0600 CKND2 2 MB 1279 St.d in/put w/others
06 0430 KETK 56 TX 534	WAPT 16 MS 749	Columbia	460	Q2	07 1729 CKPRt 2 ON Brue Jays baschall	1405 Little Rock stronger than usual Es cut
NBC News Region 5 2300 KLPA 25 LA 615	WMPV 21 AL 839	1435 KDEB 27 MO	335 335	02 1515 KTCA 2 MN 869 02 1528 unID 2 XEW		10 1415 WCVB 5 MA 1423
∠ PB	TBN , 134,633-2108 WPMI 15 AL 836	1450 <u>KRCG</u> 13 MO Jefferson City	435	1530 unIDs 4,5 US 02 1555 CKND2 2 MB 1279	08 1605 kCNC 4 CO 806	10 1420 WBZ 4 MA 1423
KARD 14 LA 653 FOX 14	NBC KVEO-23 K46DG 46 LA 580	1510 KOZK 21 MO 1535 WCBI 4 MS	335 319	02 1627 WSB Nx 2 GA 551 02 1627 WCBS 2 NY 1238	D8 1620 KHMT 4 MT 1184 Floating and Dedication	o/KARK 4 10 1429 <u>WGBH</u> 2 MA <u>1423</u>
10 2130 KLPB 24 LA 566 LPB	Lafayette KLAF	WTVA 9 MS	319	02 1628 WESH 2 FL 789	08 1627 KCWC 4 WY 1071 Wyoming PTV w/local IDs	w/KETS-2 10 1458 WTVH 5 NY 1212
KLTL 18 LA 547 6:h24	K46CR 46 LA 646 Balun Rouge VJN	29 1605 unID 2 C	BS,W	02 1845 WCBD 2 SC 805 02 1929 WUND 2 NC 1031		10 1510 WGRZ 2 NY 1091
11 0300 WNOL 38 LA 693 HSS	0715 K21DM 21 LA 590 Lafayere VJN	30 1500 WPBT 2 PL 30 1523 WESH 2 PL		02 2258 UnID 2 XHGC Canal Cinco	08 1710 KASA 2 NM 753	10 1525 WIVB 4 NY 1091
11 0300 WCCL 49 LA 690	&K30EM 30 LA 600 Houma HTV	1640 unID 2 Ca. 30 1710 WCBD 2 SC	nada 805	02 2305 unIDs 4,5 XHGC 03 0000 XHAGU 2 XEQ-9	1733 unID 4 ON CBC 08 1750 WGRZ 2 NY 1091	10 1550 CBFT 2 PQ 1414 News star ed 1600
HSN, ID on screen K69HD 69 LA 550 ¹	12 0330 unID 28 MOR	30 1715 WCIV 4 SC	805	03 0000 XEWO 2 JA 1003 XEW	1759 unID 4 ON 08 1930 unIDs 2 XEW, TV/	10 1605 WJBK 2 MI 904 10 1605 WDIV 4 MI 904
Church Poin KLAF K55HA 55 LA 550	masic N NE KMPX 29 TX 559	Public TV for Ea		03 0010 XHG 4 JA TV4	1940 XHBS 4 SI/SO XEW, ID 2006	July 1996 TROPO UTC 11 0515 WMAW 14 MS 296
New sbena KLAF 0315 WGNO 26 LA 693	TV29, Rc KUVN 23 TX 544	30 1802 WOAY 4 WV 30 1815 KDKA 2 PA	910 945	Guada.ajara 03 0030 XHATU 5 Supered ID	08 2003 XHG 4 JA 1003	o/KARD; METV
ABC N gh line	UNI SAP same as main 0530 KLTS 24 LA 615	30 1829 WJBK 2 MI 2129 KGFE 2 ND	904	03 0040 XEDK 6 JA 1003 Super Seis Floating	CBS, XEW, XHGC-5	0530 WTVA 9 MS 319 1230 K21EP 21 AR 107
WUPL 54 LA 705 ANC cout UPN rige	LPB. KM55-33 strong 0630 KVIH 26 AR 739	Prarie Public TV	,	03 0100 unID 3 Floating, XHGC	08 2038 unID 4 XHGC 2045 unID 2 Teemundo	Worship at this time K23EB 23 AR 107
K59DG 59 LA 687 New Orleans TBN	Victory TV, Ret.	30 2215 WMAR 2 MD		July 1996 TROPO UTC 04 0910 WLOX 13 MS 319	08 2059 XHAGU? 2 XEQ-9 2125 unID 2 Note #2	Note 1 unID bats up . 0529 CDT
W14IE 14 LA 705 La Oreina HSS	KASN 38 AR 774 Ligo bottom right, UPN	2216 unIDs 2 ON CBC BBS/MCT	v	K21EP 21 AR 107	08 2200 unID 2 XHQ-3 RELAY	signor Local KMSS was off for a change. NBC Nx at 05 lb; local Nx at
WHNO 20 LA 687	0700 unID 47 PSN NNE logged also May 23	30 2333 WIVB 4 NY 30 2333 WTVH 5 NY		K23EB 23 AR 107 KLFI 35 AR 73	08 2220 unIDs 2,4 TV7	0600' Note 2 This relay of XHY 3 Merida
Word Afre (Rel) K39BJ 39 LA 622	SKLRT 16 AR 783 FOX ID on screen		943 UTC	TBN	09 0013 KNAZ 2 AZ 1045 09 0015 WJBK 2 MI 904	(no channels lise), ha says. Canal
Morgan C.3 LPTV 0330\$KFAK@ 51 TX 556 ¹	19 0545 K65CE 65 LA 615	01 0008 CKCO2 2 ON	1103	04 0925 K33DE 33 AR 183 Loca off, TBN	09 0027 WDTN 2 OH 735 09 0043 WCHMt 4 OH NBC4	Dos." This must be one of those situations where the same calls are used on more than one channel.
ID hads \$KMSS 33 LA 615	Shrevepon TBN W61BC 61 LA 615		1031		09 0045 KDKA 2 PA 945 09 1330 KTWO 2 WY 996	
Shreveport advs K27EF 27 LA 689	Shrevepon V.N KSHV 45 LA 615	01 2033 KDKA 2 PA 01 2110 WGRZ 2 NY		0905 WVLA 33 LA 206	09 1415 KWGN 2 CO 806	11 1340 unID 2 Canada
Morroe TBN	Shepherd's Chapel 21 0545 KHPF-LP58 TX 329	01 2115 WUNC 4 NC 01 2118 WFMY 2 NC	875 838		09 1440 KGAN 2 IA 672	11 1350 KNAZ 2 AZ 1045 11 1350 UnID 2 Mexico
Leeville WNTZ-48	Fredericksburg KXAN 36 moves from ch 25		896 904	K47DW 47 LA 108 WNTZ 48	09 1445 WWAY 3 NC 924 Floa ng	11 1415 WGRZ 2 NY 1091 11 1445 unID 2 ON
0345 WVUE 8 LA 693 FOX 8. Ca % News	0600 KSBI 52 OK 693		904	06 0615 Nashvile, AR 71,23 July 1996 Es UTC	09 1459 WBAY 2 WI 892 09 1503 WCMH 4 OH 795	BBS/MCTV
KALB 5 LA 600 NBC	D on screen up left 23 1100 unID 45	unIDs 2 ON	1103	06 2000 WCBD 2 SC 805 06 2030 WMAR 2 MD 1072	Area ads 09 1540 WJBK 2 MI 904	11 1525 WJBK 2 MI 904
WAFB 9 LA 637 CBS advs to XERV	XHGC-5 audio Laredo hdng, no DX	CBC, etc. 01 2145 CHRO 5 ON	1287	06 2059 WTAE 4 PA 945	09 1545 WDTN 2 OH 735	Leave it to Beaver, Floating
0515\$WLPB& 27 LA 637 s	This is my worst month of June since 1 792. No 1000+ mile trop this	01 2210 WMAR 2 MD 01 2212 WRC 4 DC		06 2115 WUND 2 NC 1031	09 1550 WTAE 4 PA 945 09 1602 WKYCt 3 OH	11 1620 WKTVt 2 NY 11 1620 WSTM 3 NY 1212
0530\$WVLA+ 33 LA 634 I	nonth Indeed I m not expecting any DX of this type until late September or October	Jim Vance News 01 2215 WCBSt 2 NY		06 2159 KGFE 2 ND 1086 06 2203 CKPR 2 ON 1130	Floating Newswatch 1610 unID 3	News, Floa ng 11 1628 KCWC 4 WY 1071
0600 K56DR 56 LA 634	Best opening was on the 11th	Circle 2 01 2220 WNEM 5 MI	943	TBT Weekend Report 07 0022 CKC02 2 ON 1103	Flusting, record (CD) infoad 1732 unID 2 CBC	11 1628 KWGN 2 CO 806 11 1640 KTVX 4 UT 1160
Baton Rouge TBN WMAU 17 MS 696 to	eaching to northeast Flor da li logged we new stations from central Texas.	01 2223 WTAE 4 PA		July 1996 TROPO UTC 07 0540 WTVA 9 MS 319	09 1740 WUND 2 NC 1031 09 1745 WGRZ 2 NY 1091	11 1658 KUTV 2 UT 1160 11 1845 KVVU 5 NV 1238
Aerobics, "XHFOX \$WMAH 19 MS 771	KAKW-62 is with unID bars all	unIDs 2 ON BBS/MCTV, oth		0545 Memphis 5, 10, 13, 24, 30	09 1745 WFMY 2 NC 838 09 1810 WUNC 4 NC 875	FOX 5
/ch 17	early morning until programming starts in 6 AM	O2 0005 Many unIDs 2,3.4,5,0 Great Lakes area		0845 KMOL 4 TX 347	09 1827 CBFT 2 PQ 1414	Action Nx, w/KNAZ
Shop at home	Danny Oglethorpe, P.O. Box 6688,	02 0120 WTVH 5 NY 02 0147 WTOM 4 MI		1455 KUTV 2 UT 1160 07 1530 WUND 2 NC 1031	09 1920 KTCA 2 MN 869	12 0013 CBFT 2 PQ 1414 12 0029 CIII2 2 ON 1225
VCC shopp ng	Shreveport LA 7,136-6688	7-4 02 0245 WBAY 2 WI		07 1530 WUNC 4 NC 875 07 1530 WRAL 5 NC 896	09 1940 WTOM 4 MI 1042 09 1943 WBBM 2 IL 737	12 0140 WMQR 2 MD 1072 12 0158 WCBS 2 NY 1238
	28 0315 KLFI 35 AR 73	02 0305 KXJB 4 ND		07 1550 WSJK 2 TN 665 07 1559 WOAY 4 WV 810	09 1950 KVVU 5 NV 1238 Star Trek (origina.,	12 0200 WRCt 4 DC 12 0215 unID 2 ON CBC
0645@WEIQ 42 AL B23 Bars APT	LP Family Not 0330 K21EP 21 AR 107			07 1601 WCBD 2 SC 805	09 1954 KCWC 4 WY 1071 2005 CKND2 2 MB 1279	12 2125 unID 2 Mexico
K49DE 49 LA 550 New Iber 8 TBN	TBN Worsh p 0350 K23EB 23 AR 107	02 0318 WDTN 2 OH 1440 thIDs 2	735 West	07 1610 WDTV 5 WV 876	WPG-TV under calts	XEW TV7 XEO etc
26		02 1455 KGAN 2 IA	672	07 1632 WDTN 2 OH 735	Oprah Oprah	12 2245 CKPR 2 ON 1130

WILLIS MONK	₩B	5KHD
90	BO)	452
COLLEGEDALE	, TN	37315

EASTERN TV-DX

SEPTEMBER, 1996

FIRST OFF, I'D LIKE TO THANK ALL WHO ARE RESPONSIBLE FOR LETTING ME HAVE THE OPPORTUNITY TO CONDUCT THIS COLUMN. I ONLY HOPE TO DO AS GREAT A JOB AS THOSE IN THE PAST HAVE DONE

I WAS ASKED TO TELL A LITTLE ABOUT MYSELF IN THIS OPENING COLUMN, SO HERE I GO: I WAS BORN AND RAISED IN "GOD'S COUNTRY" (THAT'S TEXAS FOR ALL WHO DON'T KNOW) AND MOVED TO TENNESSEE ABOUT 6 YEARS AGO MY FIRST TVDX, FROM WHAT I CAN REMEMBER, WAS IN 1956 FROM LUFKIN, TEXAS -- KTRE CHANNEL 9, SEEN FROM DALLAS, TEXAS. 1 HAVE HAD AN INTEREST IN TV SINCE I WAS ABOUT 10 YEARS OLD. THAT INTEREST WAS ON THE TECHNICAL SIDE. I LEARNED TO REPAIR TV SETS AND BUILD MY OWN ANTENNAS BY 1960, I'D DISCOVERED AM BCB DX, SHORT-WAVE LISTENING AND AMATEUR RADIO. I ALSO HAD MET HAM RADIO OPERATORS WHO WORKED FOR THE LOCAL TV STATIONS IN DALLAS, WHO HELPED ME GET MY LICENSE FROM BUILDING DIFFERENT TYPES OF ANTENNAS, MY PARENTS' HOUSE BECAME COVERED IN THEM, TO THE POINT THAT MY FATHER COMPLAINED THAT IT "LOOKED LIKE A MOSQLITO NET COVERED THE HOUSE."

IN THE SUMMER WHEN SCHOOL WAS OUT, THE TROPS WAS GREAT I CAN REMEMBER WATCHING STATIONS LIKE KGUL-TV CHANNEL 11 IN GALVESTON, TEXAS. IT'S NOW KHOL-TV IN HOUSTON THEY HAD GREAT KIDS SHOWS LIKE MR CABOOSE IN THE MORNINGS, AS DID KSLA-TV CHANNEL 12 IN SHREVEPORT, LA., WHICH SHOWED ROY ROGERS AND OTHER WESTERN MOVIES IN THE MORNING FROM DALLAS THE TROPS WAS VERY GOOD IN 1957, THIS WAS BEFORE THE NETWORKS HAD MORNING NEWS SHOWS (ONLY NBC HAD "THE TODAY SHOW" WITH DAVE GARROWAY, THE OTHER STATIONS HAD LOCAL PROGRAMMING OR NO PROGRAMMING AT ALL) THEY WAITED UNTIL 9 A.M. TO COME ON THE AIR. 95 WAS THE YEAR OF THE HIGHEST RECORDED SUNSPOT IN HISTORY AND E-SKIP WAS GOING 24 HOURS A DAY

I'VE BEEN TVDXing OFF AND ON SINCE 1956, WITH THE EXCEPTION OF THE NAVY YEARS. I HAVE A TOTAL OF ABOUT 500 STATIONS LOGGED FROM 5 COUNTRIES. I WORKED IN ELECTRONICS FOR ABOUT 32 YEARS AND NEVER COMPLETED AN ENGINEERING DEGREE I WORKED FOR WILL-TV CHANNEL 53 IN CHATTANOOGA FOR 3 5 YEARS IN SALES.

SUGGESTIONS

THIS IS ONLY A SUGGESTION, BUT I'D LIKE TO USE UTC TIME FOR ALL REPORTS. UTC TIME (UNIVERSAL COORDINATED TIME) IS COMMON TO ALL DXERS WORLDWIDE AND WILL ELIMINATE ANY CONFUSION IN WHEN EVENTS BEING REPORTED TAKE PLACE AND, IT WILL LOOK MORE PROFESSIONAL IN REPORT COLUMNS

ALSO, PLEASE GIVE AN INDICATION OF SIGNAL STRENGTH. I'M SUGGESTING THE POSSIBLE USE OF AN AMATEUR TELEVISION (ATV) REPORTING SYSTEM. THIS SYSTEM WOLLD KANGE FROM PI (POOR, TO PS (EXCELLENT). CHECK ANY RADIO AMATEUR HANDBOOK FROM .985 TO THE PRESENT FOR MORE INFORMATION OR SEND A #10 SASE AND I'LL SEND YOU INFO AND PICTURES, 1 WILL NEED 75 CENTS POSTAGE

REPORTS:

SINCE THERE ARE NO REPORTS FROM OTHER PERSONS YET, ALL LOGGINGS ARE FROM "YE OLDF EDITOR "

ALL TIMES ARE UTC

WENT PRIVATED I	Tarder O a	Ψ.	
8 JULY	1500	WLBZ 2 WGBH WCBS 2	BANGOR, ME 2 BOSTON, MA NEW YORK, NY
	1600	WNBC 4 WBZ CKCW 2 CJBR	NEW YORK, NY 4 BOSTON, MA NEW BRUNSWICK 2 QLEBEC
		CHSJ	4 NEW BRUNSWICK

3 DIFFERENT FRENCH STATIONS AT THE SAME TIME FROM 1800 - 2000 ON CHANNEL TO JULY 2, FROM QUEBEC AND NEW BRUNSWICK PROMO FOR LOCAL SHOW, DURING AMERICAN SOAP OPERA FROM ABC AND CBC 11 JULY

LOGO IN RIGHT HAND CORNER DURING THE PROGRAM

W	estern TV DX		1900	WGRZ	2	NY	1091
	nny Oglethorpe s report continues			WAVE		KY	607
25-00	TBT			Float			
1.2			1925	WDTN		OH	
	Canal Trece, etc		1931	WEWS		OH	
	2315 unIDs 5 XEW, T	V7		CBLTt		ON	CBC
12				MDIA		MI	904
	Telemundo			CKC02		ÓИ	
12		72	2010	WNEM		MI	943
13		70	2050	Take			no
	Twins baseball			Miami			1100
13		92	2110	CICI			1189
	with "W" supered le		2130	WBBM		IL	737 BA TP
13		DI BC	2140	CKPR		ON	
13		69	2140	TBT	- 46	ON	1130
13		77	2147	WTOM	A	MI	1042
	0259 WBAY 2 WI 8		2177	17 &		114	1042
	0335 unID 2 XEW;		2205	CHBX		ON	1098
4.4	24 Horas	18		WGRZ	2		1091
13 (0345 KWGN 2 CO 806		2002	CIII2		ON	1225
13 (0345 KWGN 2 CO 806 0415 KUTV 2 UT 1160		2002	Globa		100	2000
	Above two, News		2028	CBOT		ON	1324
13	0459 KNAZ 2 AZ 10	45		Note		~	2021
Ju		TC		CBLTt		ON	
13		07	2106	WDTN		OH	735
	Worship			KDKA	2	PA	945
		TC	2115	WIVB		NY	1091
13		60		WEWS	- 5	OH	917
14		05	2125	WMCH !	₹x 4	OF	795
15	2155 CHBX 2 ON 10		2145	WTAE	4		945
	Jill Armstrong w/local Nx @ 220		2220	WJBK	2	MI	904
15	2205 WBBM Nx 2 IL 7		2237	CKC02			1103
1.5			2350	unIDs			f,TV7
	Nx channel 7 and 4			unIDs	2		
15		92		XEW	XEQ	,TV	7
	Action Nx	an der		unID	2	VET	5
15		37	2000	unID	2.0	Canal	Trece
	2232 unID 2			XH?? XEW	2	<u>or</u>	891
	Star Trek, NG 2242 unTD 5 //			XEW	w/Ca	ncun	ads
		2		unIDs	4		
15		72		XEW			
15			2035	unID		YUC	:
15		70 43		XHY			
23	Floating	9.2	2050	XHNQR			
15	2329 CKCO2 2 ON 11	03	0100	Sec N			
		04		unID	_		:V7
	0045 WGRZ 2 NY 10			Aore Mex			
	0108 WRC 4 DC 10			KDBÇ XEPM		CH	746 746
		35					
16	0120 WIVE 4 NY 10			KNAZ KVOA	2		1045
16	0140 KFYR 5 ND 10			KLBY	4		
16	0145 KDKA 2 PA 9			KPHO	5		633 1065
Ju:		rc	2310	Krito		CH	TARD
		18		unIDs	A	VEL	r mura
		rc	2330			aen NM	753
		89	2335		2		806
		19		KNMEt	5		900
		03		N. Bus			net
	1530 WPTV 5 FL 9:		0015	KTVX			1160
	1645 WRC 4 DC 10			KCNC	4		806
	WTTG 5 DC 10			KCWC	4		1071
	1658 WMAR 2 MD 10		0040		5		1238
	1810 WTAE 4 PA 9		0050		5		859
	1820 WPSX 3 PA 10:		0050	KTWO	2	MA MY	996
	Floating, ID 1830		v 199	6 TRO	PO	71 Á.	UTC
	1823 KDKA 2 PA 94			KSAT		TX	347
20			,				24,

Local off July 1995 Es UTC 20 1545 unIDs 2,4,5 Mexico 1620 XEDK 6 JAL 1003 Jalisco, ID 1630 1745 XEFB 2 NL 611 ID 1815 1900 unIDs 2,4 Meuco 2227 WPBT 2 FL 939 2235 WFOR 4 FL 939 TV Rebelle 2 CUBA Olympics coverage 2335 unIDs 2,4,5 Megeo 21 0020 unID 3 Floating, XHBQ-TV 0129 KNAZ 2 AZ 1045 July 1996 TROPO UTC 21 0745 KSAT 12 TX 347 Local off 0830 KMOL 4 TX 347 New logo 0850 KRRT 35 TX 356 ID card July 1996 Es UTC 1530 XHAGU 2 XEO unIDs 2,4 Mexico 1815 KVOA 4 AZ 1004 KNAZ 2 AZ 1045 1835 KASA 2 NM 753 1845 WPBT 2 FL 939 1903 WFOR 4 FL 939 1920 KUTV 2 UT 1160 1940 KCWC 4 WY 1071 1958 KGWL 5 WY 1071 TV 14 ID; KGWC-14 2010 KTVQ 2 MT 1215 Justin Bullriding 2020 KHMT 4 MT 1184 2035 unID 2 MCTV 2150 WCBD 2 SC 805 WCIV 4 SC 805 WCSC 5 SC 205 2205 WMAR 2 MD 1072 2215 WGRZ 2 NY 1091 22 0240 KXMA 2 ND 1110 KXMB-12 Nx at 0300 0305 unID 5 Married w/Children 0325 unID 5 Star Trek, NG July 1996 TROPO 23 0730 KENS 5 TX 347 KMOL 4 TX 347 Note 1. If there is another channel 4 Ding as "CBC Ottawa" I hope someone will let me know, so I can change this to

Note 2. This station was running color bars that read, "XHLQR TV C-7," Remembering that Frank Merrill and Jeff Kadet have reported seeing a channel 5 from QR, I searched the VUD back issues. Frank and Jeff reported color bars with the XHNQR ID, so I wonder if this is maybe the same station with color bars from the originating station? The "L" is probably for the city of Limones.

a tentative.

SOUTHERN FM DX

Danny Buntin 1312 N. Skyline Stillwater, OK 74075

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT & WV.

Doug Smith (W9WI), 1385 Old Clarksville Pike, Pleasant View, TN 37146-8908

Equipment: Technics ST-G50, Archer VU-160 at 15

SEPTEMBER 1996

Well, it sure wasn't a repeat of July 1995; Not much skip heard. The July 6 openiding was probably better than the results sugest, but there aren't many stations in that part of Canada. Two of the Thunder Bay stations are on the same frequency as unnullable locals, and a third (101.7) was too high for the MUF. I seem to remember one of the AM stations there moving to FM, but can't remember what frequency. July 9 tropo was nothing spectacular, but did bring in a new station. 7/10 Es

1801 KDFR 89.9 ND Dickinson, ws, too cold for 1107 CKXL 91.1t MB Winnipeg, continuous the South & ment, of Minot, KRME 3 in. 1082; rock music in French. 1950 CBCT 88.3 ON Thunder Bay, Toronto

talk and oldies prg. 846 7/8 Es Their TV also in.

1103 KENW 89.5 NM Portales, state news. 928 7/9 tr 0917 KSSN 95.7 AR Little Rock, "KSSN Kisain" 7/26 Es

0921 KLRA 96.5 AR England, loc.ads & calls308 1158 KRZA 88.7 CO Alamosa, loc.wx & nx 0921 KURB 98.5 AR Litle Rock, "B-98.5" 323 1202 KCRT 92.5 CO Trinidad, call ID 962

CBW 98.3t MB Winnipeg, brief bursts of classical music 7/25 Es

1100 KUWZ 90.5 WY Rock Springs, translator 323 list for WY Public Radio Net. 1047

Jim Pizzi, 814 Brookhill Dr., Paso Robles, CA 93446 805-238-5271 Equipt. used: Akai ATV04 tuner w/mod(10 filter), Radio Shack 15-1718 VHF-UHF antenna. Winegard CP-3800 amp.

Pretty weak skip season, but got a few new ones.

1935 KSKG 99.9 KS Salina, WX 1954 KNEN 94.7 NE Norfolk, calls 1956 KERB 92.7 NE Ainsworth, ID 62000

1958 KE2Q 92.3 NE Omaha, ads 2003 KGBI 10.7 NE Omaha, Tox 2032 KZNAt 90.5 NE Hill City, 800-678-7444

Plains Public Radio 7/22 Es 0817 KHCD 89.5 KS Salina, "Radio Kansas", then cl mx

0832 KMIN 96.9 WY Jackson, ads 6/22 Es

1748 KFMX 94.5 TX Lubbock, "94FMX"

0823 KNEN 94.7 NE Norfolk, ads

0824 KORN 107.3 SD Mitchell,ads,"

0818 KKYA 93.1 SD Yankton, loc.ads

0821 KNEB 94.1 NE Scottsbluff, ads

Jim Thomas, 4437 S. Stover, #3, Ft. Collins,CO 80525 wdx0fbu@aol.com

Equipt.: Pioneer TX-9500 with Archer 6el @20'(significant DX documented with Soundblaster midi system in 486-60mhz pentium pc - incredible!) ????Would you care to explain on that? Some of us are not computer bright and literate. DB

5/22 1825 WVPE 88.1 Elkhart, calls, gave ph.# 1907 NJJO 94.1 WI Watertown-Madison, ID 5/24

1921 WMCN 98.1 WI Madison, "Magic by request on Magic 98"

1936 WBZE 98.9 FL Tallahassee, "98.9 the Breeze" 1939 WKLT 98.9 MI Petosky 98.9 Double Rock

1957 WJXQ 106.1 MI Jackson, Mix 106

1958 WSKZ 106.5 TN Chattanooga, "KZ 106 The Rock¹¹

2015 CKSB-9 89.1 ON Fort Frances 2018 WAHS 89.5 MI Auburn, "here in s.e. MI" 2022 WVLK 92.9 KY Lexington, "K-93" 2023 WECL 92.9 WI Elk Mound

2025 WCLX 93.9 MI Mio, "SuperStation CLS" 2035 WSTR 94.1 GA Smyrna-Atlanta, "The Star"

2040 WCEN 94.5 MI Mount Pleasant 2045 CFPL 95.9 ON London-St. Thomas. "London's Best Rock, FM 96"

2057 WYST 97.1 MI Detroit, "Star 97 FM" 30 cont.....

2700 CIDR 92.9 ON Windsor, "93.9 The River" 2102 WLLZ 98.7 MI Detroit, "Detroit's smooth jazz"

2107 WTTS 923. IN Bloomington, calls 2109 WNDU 92.9 IN South Bend, "U93" (This has been my best, by bar, new loggings day in years. Within the first ten minutes. when I saw the vu signal strength was hitting 3 and beter, I decided to try to log twenty new stations. I did dit in 2 hr. 02 min, and turned the tuner off. Seemed my head was buzzing from all that tuning up and down the dial. Ever happen to you?

1745 KHID 68.1 TX McAllen, ID 1818 KBDR 100.5 TX Mirando City, "B-100" 1819 WKAK?101.7 GA Albany?, ad said "Sylvester Road in Albany", country 1822 KSOX 102.1 TX Raymondville, r

1837 KXYL?104.1 TX Brownwood?, r 1843 X??? 92.3 TM Rio Bravo, hard rock 2053 WJIM 97.5 MI Lansing, The New Oldies97.5 1844 77?? 92.9 TX San Angelo, country 1859 KENL 89.9 TX Laredo, ID

SOUTHERN FM DX 6/13

1849 KBRK 93.7 SD Brookings 1900 KLLF 94.1 TK Brenham, couldn't miss

a country song was playing, station's ID tape continued to play through music. 1910 KKBQ 92.9 TX Pasadena, "930 Country"

1911 ???? 92.9 ?? ID as "Cajum Country 92.9" 2200 KNRC 89.5 WA Seattle-relog

the ID on tis station if I wanted to. While

Thomas, cont.

6/13

6/18 2152 KFLZ 101.5 WA Seattle, as for

Seattle metro

KeithD. Pugh, 227 Martin ST., New Hope, AL 35760 Equipt: McIntosh MR78, Probe 9 CONTINUED FROM LAST TIME: 6/8 Es 1126 KDCD 92.9 TS San Angelo

1132 KCRS 103.3 TX Midland 923 1134 KSJT 107.5 TX San ANgelo 1144 KPER 95.7 NM Hobbs 971

7146 KMIH 98.7 NM Maljamar 1005 1148 KBIM 94.9 NM Roswell 1043 1150 KKTQ 93.7 TK Lubock 887

1048 K201BJ 88,1 NM Alamogordo, KLYT 88.3xltr, unids till 1229 f/out

6/10 Es 0835 KLAS 89.1 JA Mandevill 1266

0837 KLAS 89.5 JA 0839 JBC 91.1 JA Coopers Hill 1207 0840 ??? 94.3 JA Sandy Bay-Hanover ref.

0844 Power 106 106.7 JA 0847 KLAS 89.9 JA

0849 JBC 92.1 JA Montago Bay 125 6/11 Es 0951 WKRL 100.9 NY N. Syracuse, "K-Rock" 810

0958 WBSU 89.1 NY Brockport 753 0959 CFGB 100,9 ON Bracebridge 817 1008 WBEE 92.5 NY Rochester 762 1011 WAQX 95.7 NY Manlius, 95X 811

1012 WKLL 94.9 NY Frankfort 847 1014 WGF8 99.9 NY Plattsburg, "B-100" 983 1022 WVNC 96.7 NY Canton, "Northern N.Y.'s Mix 96.7" 917

1032 CHVR 96,7 ON Pembroke, ads, kr, "Ontario's new Star 95.7 FM". \$ 921 1034 CIUT 89.5 ON Toronto 734 1039 unID 93.5 "CBC Radio in Calgary"

1046 CRMF 94.3 PO Montreal, "Energie" f/out 1051 6/17 Es

0927 KKOK 95.7 MN Morris 914 0928 KZZY 103.5 ND Devils Lake 1134 0930 KOOV 96.7 ND Arthur, Fargo ads, \$ 0933 KFGO 101.9 ND Fargo, k, 1cl.ads 1011

0942 KBOT 104.1 MN Pelican Rapids, "Lake Country", otter tail ad 975 0953 KEYA 88.5 ND Belcourt 1204

1005 CKBF 91.9 SK Bellegarde, ID 1300 1008 KETO 101.9 ND Bottineau 1226 6/18 Es

89.1 BM Hamilton, x, "FM89" 1257 0848 AEM 0852 ZBF 94.9 BM Hamilton, "Power 95" VSBt 106.7 BM Hamilton, (under WTAK"

0925 unID 91.3 SS, \$, Campeche Ref. 1031 XHWAR103.3 NL Linares, "Radio N.L." 1038 KSAB 99.9 TX Robstown, ID 813 1145 KBHT 93.5 TX Crockett, lc. ads 571

1149 KQST 101.9 TX San Ant."KQ102" 792 1150 KOUL 103.7 TX Sinton, 653

1153 KZFM 95.5 TX Corpus Christi 800 1159 KJB 92.7 TX Laredo, "Tejano 93"

1204 KHFI 96.7 TX Georgetown 710 1205 KCYY 100.3 TX San Ant., k,

1926 KMGE? 94.5 OR Bugene?, mention of store in Corvallis 2000 KFRQ 94.5 TX Harlingen, "094.5" Current count at this address-229.

SEPTEMBER 1996

6/18 Es 1216 MUF 108+ 1225 KYKM 92.5 TX Yoakum, 1c.ads 727 1228 KIWW 96.1 TX Harlingen 887 1250 KGEE 99.9 TX Monahans 977 6/19 Es 1224-1943 unIDs-Canada 6/20 Es 0832 KSPK 102.3 CD Walsenburg, ad

0840 KILO 94.3 CO Co. Springs, "KEE-LOW" 0848 KVAY 105.7 CO Lamar, ID 936 0856 KOLS 95.5 KS Dodge City 792 0857 KKMG 98.9 CO Pueblo 1045 0859 KTXT 88.1 TX Lubbock 887

0900 KONQ 91.9 KS Dodge City, "Radio 1550AM, Dodge City, College RAdio.", or 0901 K203BW88.5 CO Holly, "KJIL FM \$99.1" 0904 KKUQ 97.5 KS Garden City 841

0906 KTQM 99.9 NM Clovis 957 0907 KYZX 104.5 CO Pueblo, k,"104 1/2FM" 0909 MUF 108+ 0911 KIKX 102.7 CO Manitou Springs 0920 KSTY 103.9 CD Canon jCity, "Star C'try

0931 KRST 92.3 NM Albuquerque 1150 0933 KQIZ 93.1 TX Amarillo 0943 KRSJ 100.5 CO Durango 1217 0948 KRZY 105.9 NM jSanta jFe, "Crazy 105.9" 6/21 Es (brief)

1004 XHCPO 93.1 CL Torreon, ID 1193 6/27 Es 1236 KWBI 91.1 CO Morrison 1088 1240 KYGO 98.5 CO Denver 1086 1243 KBCO 97.3 CO Boulder 1105 1256 KILO 94.3 CO Co. Springs 1063

1258 KGFT 100.7 CO Pueblo 1095 1303 KJMN 92.1 CO Castle Rock 1072 1304 KIMN 100.3 CO Denver 1310 KKCI 102.5 KS Godland 904 1317 KRCS 93.1 SD Sturgis 1140 1339 KLXS 95.3 SD Pierre 1006

1343 KNNG 104.7 CO Sterling 1012 1410 KMOR 92.9 NE Scottsbluff 106 1413 KTNE 91.1 NE Alliance 1034 1416 KRVN 93.1 NE Lexington 848

1418 KKTY 99.3 WY Douglas 1172 6/30 Es 1920 WVCR 88.3 NY Loudenville 884 Not a bad June for number of skip days

Actually, June '96 ranks 3rd place for active FM days, with 14 observed. Quality was really not as good as most years, though. Too much fading hampered getting ID's on a lot of these openings, along with very spotty MUFs. July seems to be much like June, so far, but still some good productive openings are getting through.

Eric Bueneman(NOUTH), 631 Coachway Lane, Hazelwood, MD 63042-1347 Equipt: Sangean ATS-803A AM/FM/LW/SW receiver, Archer VU-110 with Archerotor at 33 feet 6/21 tr 0032 KGLS 931. KS Pratt, hot Country 93.1" 0245 KNWS 101.9 IA Waterloo, g, ID local ads, k 460 0246 KIOA 93.3 IA Des Moines, ID, o 255 0045 KMKF 101.5 KS Manhattan, ads, legal ID, 0314 KGGO 94.9 IA Des Moines, calls, ACR AOR 335 0315 KBKB 101.7 IA Fort Madison, calls,psa 0046 KZSN 102.1 KS Hutchinson, k"Kissing 102" 0318 XFMW 107.9 IA Waterlo, calls, r 270 0101 KHCC 90,1 KS Hutchinson, ID, NPR 410 0325 KLRQ 96.1 MO Clinton ads The O. AOR 0112 unID 93.1, noted with "The Max 93.1 FM" 2315 KSIV 91.5 MO St. Louis, \$, construc. 0115 KBEZ 92.9 OK Tulsa, calls, sof AC 353 sound eff., exkSLM, assumed new format 0200 KEZG 107.3 NE Lincoln, ID, soft AC. "Star 7/1/96(see below) 107.3" 360 6/29 tr 0215 KEYN 103.7 KS Wichita, "Oldies 103.7", 0023 KJJC 106.9 IA Osceola, "JC106.9, loc. oldies, over KIRK 400 ads, Hot k, 235 0255 KKRD 107.3 KS Wichita, ad, ID, CHR 400 0038 KZBK 96.9 MD Brookfield, calls, Not AC 0258 KQRC 98.9 KS Leaverworth, psa, 255 0058 WVIK 90.3 IL Rock Island, ID,nx, wx 0302 KICT 95.1 KS Wichita, ACR, T95 400 0135 KLBA 96.7 IA Albia, k, wx, calls 200 0324 KMXV 93.3 MD Kansas City, "Mix 93.3", 0210 KGRS 107.3 IA Burlingth, calls, AC 145 loc.ads, CHR 225 7/11 Es 0327 KWFC 891 MO Springfield, underwriting 1659 WEZF 92.9 VT Burlington, call announce, loc. KCLC off 190 soft AC 965 0330 KBUZ 90.3 KS Topeka, station promo, c 285 1701 CBAT1 87.75 NB Bon Accord"CBC-TV in NB 0333 KCVO 91.7 MO Camdenton, psa,wx,ID,140 1707 CIRO 99.7 PQ St. Georges, "FM Country" 0348 KHCD 89.5 KS Salina, c 390 k in FF 1120 0358 KCPN 94.1 OK Okmulgee,c"Classic FM"375 1715 CHOM 97.7 PQ Montreal, loc.ads 975 0438 KRPS 89.9 KS Pitaburg, c,\$ 255 1720 CJER 101.5 PQ Rimouski,c,talk in FF 0458 KTPK 106.9 KS Topeda, k, "Country 107", 1842 CIKI 98.7 PQ Rimouski, r,FF,\$ ABC nx 285 2130 WKYQ 93.3 KY Paducah, calls, ads,k,155 0506 KSAJ 98.5 KS Abilene,o, ads 7/15 tx 0520 KOSJ 97.7 NE Nebraska City, "Smooth FM", 0025 KDAA 97.5 MO Rolla, "K-Day 97.5", Hot ment, of Omaha & Lincoln(Hi, Ernie and Mike), AC, needed for call change (ex-KCMX) 80 local ads, j 315 0045 KMXV 93.3 MD Kansas City, "Mix 93.3" 0526 KTGE 101.9 NE Lincoln"The Edge"promo 360 CHR, local ads. barely over WJLY 225 0532 WOW 94.1 NE Omaha, local wax warming 340 7/16 gw 0535 WOWT 87.75 NE Omaha, NBC nx Nightside 340 2215 KNSX 93.3 MD Steelville, noted 6/22 tr testing with construction sound effects, 0058 WDPG 89.9 OH Greenville, c, ID 380 ad, now 100 kw at "almost 1000", ex96.7 75 0115 WINN 106.1 IN North Vernon, "Win 106", 7/21 tr 2335 WDNL 1021 IL DATIVILE, \$,AC, calls 0155 WKKG 101.5 IN Columbus, "Indiana Country "D-102", in like a local 101.5", k 245 2337 WBGL 91.7 IL Champaign, g talk 150 0158 WKPB 89.5 KY Henderson, c, ID 165 2338 WMXP 93.3 IL Peoria, \$, AC 140 6/25 tr 2339 WEFT 90.1 IL Champaign, \$, r 150 0131 KGBI 100.7 NE Omaha, psa's, ID at 2340 WHMS 97.5 IL Champaign, AC 150 0200 UPI nx 340 2354 WSWT 106.9 IL Peoria, legal ID, 2345 KANU 91.5 KS Lawrence, wx, 1 255 "Light Rock 107", local ads, wx, AC/o 140 7/22 tr 0053 KATI 94.3 MO California, "Kat Country 0003 WENO 107.5 IL Bloomington, \$, calls, 94.3", k. \$. now 100kw 195 CHR, in at semi-local strength 140 0055 KISF 107.3 MO Lexington, "KC's New 0007 WIHN 96.7 IL Normal, "The Twin Cities" Music Revolution 107.3", x 195 Best Rock, I-97", hard rock,o/wcvs 145 0102 KTKS 95.1 MD Versailles, "KS95", TD. 0050 WGFA 94.1 IL Watseka, "Mix 94", CNN nx 130 local ads, AC 200 0143 KCMO 94.9 MO Kansas City, "Oldies 95" 0135 KBKB 101.7 IA Fort Madison, S. calls. AC 0207 KOKO 98.5 MO Council Bluffs, "Sweet 98, 0201 WKLM 89.3 IL E. Moline, g, 190 CHR 340 2325 WCBU 89.9 IL Peoria, BBC Newsdesk 0338 WVJC 89.1 IL Mount Carmel, psa's, r 145 //KWMU 90.7, way over WLCA/KGNV 140 0340 KMFC 92.1 MO Centralia, "Joy 92", ads 90 2336 WGCA 88.5 IL Quincy, CCM(that's 0400 WOI 90.1 AMes, legal ID, c 275 the industry code for Contemporary Christ. 6/27 tr music), cals, through KUMR 110 0147 WKZW 94.3 IL Chillicothe, "KZ-94, CHR 2341 Cape Giradiau 100,7\$(in KZMM null), 0151 KBOB 99.7 IA Muscatine, "Bob", k 185 102.98 115 0155 WEFT 90.1 IL Champaign, ID, heavy metal 2343 WCCD 107.3 IL Marion, After Midmight// 0218 WKLM 89.3 IL El Moline, g 190 WKKX 106.5, k, in \$ at times 100 324 KRNA 94.1 IA Iowa City, calls, AOR 200 2352 WMKR 94.3 IL Taylorville, soft AC, local ads, legal ID, "the New Light Rock 94.3", in \$ at times, over KATI 75

Bueneman, cont. Is the FM section of the Sangean ATS-803A realy a dog? I think not, Danny! The trop loggings prove it: (I'm happy to see you helping to put the stereotypical viewpoint that all portable comm. recievers have bad FM sections. DB) With the RF gain knob turned down to minimum, I was able to pull in quite a bit of FM dx in recent weeks. It works like an attenuator. Some of my regular semi-locals were virturlly inaudible on those particular dates. Mostly Kansas and Nebraska were in on June 21, but also heard a few Oklahoma stations as well. Quite a few out to the 350-400 mile range on that opening, the log of KGLS 93.1 is my farthest FM trop logging from this location. I finally heard KWFC 89.1 which I never heard when they were on 97,3(except when visiting relatives in Springfield). The opening of June 22 was mostly a TV opening, but a few made it through from Indiana, Kentucky and Ohio, with WKPG making it through, but sister station WDPS 89.5 was covered by WKFB. June 25 added another Omaha station (KGBI 100.7), which would make Ernie Wesolowski and Mike Hawk look good, hit Logged a call letter change on June 25, along with some new stations for my log book. June 27's trop was into Iowa, although I did see a few Chicago TV statons. Iowa was the center of attention again on June 290, with a few more rural Iowa stations added, along with one in Missouri. John Tudenham tipped me to KSIV 91.5 testing...they must be up to 85 kw now(not quite as strong when it was 12.5 kW) Many thanks to John for help in IDing KEYN 103.7 and KOKO 98.5. KWMU 90.7's change to a nx/talk format is a trend among NPR affiliates. Many NPR affiliates are dropping music programs for nx/talk. Many AM, stations went through the same thing 15-20 years ago! The change at KFAV 99.9 from Classic Hits to Hot C&@ caucht me by surprise. I heard them running sound effects at 0100 CDT on July 1, announcing a format change. KFAV's AM affiliate, KWRE 730, runs a Classic Country format. The change at KSIV 91.5(ex-KSIH) had been coming since March. Some programming is simulcast on KSIV 1320. One inconvenience of modern technology, however, while transferring my logs to diskette, my FM log was inadvertently destroyed. So, I had to rewrite my log using pst VUDs and my paper logs from July 1992 to January !

July started off with the format changes (see above) but on the 11th, French Canadians were all over the FM dial! I added a new state when I heard WEZF 92.9, plus tow new provinces(PQ and NB). Believe it or not, Bon Accord, NB isn't on any map I have available! In hearing CHOM 97.7, it was the first time I heard the Montreal metropolitan area referred to as "Montrealand", just like the Chicago area is referred t as "Chicagoland". Finally pulled in KDAA 97.5 for a call change on the 15th, but a surprise awaited me the next night!

Eight years in the planning, KNSX 93.3(ex 96.7) was noted testing on July 16; it's coverage area includes St. Louis Metro West and most of mid-Missouri, The transmitter sidt is located at Pea Ridge in Franklin County(somewhere between Steelville and Chesterfield), signal strength semi-local, about the same as KTJJ 98.5 and KFAV 99.9. Format plans are unknown at this point, but regular programming is set to begin "this fall", according to announcements on the station. Another super opening into Central and East Central Illinois produced a new station, that being WIHN 96.7, heard over WCVS. Their format is a rock format similiar to co-channel KCMQ, but can be distinguished by their IDs(ROMQ is "Solid Rock 96.7", WIHN is "I97"). It was only the second time I heard WGFA 94.1, the station was verified in 1994. Champaign/Urbana, Springfield/Decatur and even Peoria were coming in like locals! This summer, it's been mostly Columbia/Jefferson City that's that's lit up all five lights(along with the \$ light)on my ATS-803A. A new station has been noted here . WMKR 94.3, Taylorville, IL has a soft AC format and "Light Rock 94.3" IDS. WMKR doesn't try to serve Springfield(they already bave WNNS 98.7), unlike crosstown hard rocker WQLZ 92.7. Kwhy 90.7 St. Louis noted with a news/talk format, dropping the last of it's classical music programming. KFAV 99.9 MD Warrenton, noted with Hot CAW, "Hot new country 99.9 KFAV". KSIV 91.5 MO St. Louis noted with Christian talk, 73 and good DX from NOUTH

Doug Smith (W9WI), 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098 Equipt: Technics ST-G50, Archer VU-150 at 15 814 5/21 Es 6/8 Bs 1123 KSJL 96.1 TX San Antonio, calls,FM#700 1000 KCMI 96.9 NE Terrytown, ID 961 1200 KACU 89.7 TX Abilene, ID 767 6/3 cB 1207 KNFM 92.3 TX Midland, "West TX own 1028 XHZTS 91.5 ZA Zacatecas, loc.ads 1319 1045 XHSRO 92.5 NL Monterrey, "Estereo Rey" KNFM 92.3" 6/9 Es 1058 XHOB 96.1 SL San Luis Potosi, legal 1842 KLYT 88.3 NM Albuquerque, calls 1086 ID and ad for "Whopper Junior" 1 1287 KFIO 91.5 NM Albuquerque, loc.events 1100 XHRT 95.3 TM Reynosa, full legal ID, "Estereo Vida" 970 1925 XHZOL 94.9 ?? calls, U.S. modern rock 1947 KACV 89.9 TX Amarillo, calls and number of Mexican unIDs, such as at 97.1 "Estereo Gallo", rooster crowing interval sig. 1942 KNFM 92.3 TX Midland, "West TX" 916 SMITH to be cont. next month & Hank Holbrook will resume reporting....

NORTHERN FM DX

GREG CON GLID 5100 GLENWOOD DR.VE WILLIAMSVILLE, NEW YORK 14221

e-mail coniol o@iocalnet com

For Divers in MAINH VT CT MAIRI NY PAINJ OH MITIN IL WI MN IA NE SO NO MT WY ID WA OR AK Canada

SEPTEMBER 1996 - DEADLINE: The 5th - LOG CUTOFF: 3 months from postmark Sorry for the lack of columns in August. There were some hard of ve problems here that preventing much of my software from running, but it looks like it has been taken care of Also. I apologize if some reports that arrived here before August 5th did not make it to this column, but with the trip to Colorado wouldn't have time to finish! All will appear in October of course. Still guide a dissapointing season for many, though not a complete washout. The first part of July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and July seemed to have been pretty good for many including many "interesting" and " at least preserved the quality of this season, if not the quantity. Let's hear what DX you have had latery!

MIKEBUGAJ-69 SHERMAN ROAD - ENFIELD, CONNECTICUT 06082

Equipment. Carver TX-11 and Sherwood rx, (both IF modified), Probe 9 at 30 feet with rotor Bolin phase box with phase antenna on roof. New are underlined

JAN, 20, 1996 GW	
2206 WKCD 1077 CT	Pawcaluck, smooth ,azz
APRIL 12, 1996 GW	,
2100 WLIE 1025 NY	Bridgehampton, country

MAY 1996 DX

19 ES 1800 und Spanish on 93.5, Cuba seen on TV ch2 and ch5 of same time

21 ES 1845 WOKK 971 MS Mendian 1851 <u>WZMP</u> 95 1 MS Marion, WMDN-24 ad 1918 KXKC 99 1 LA New Iber a, k 1924 WKJN 1033 LA Hammond, Cajun 103.3

1931 WAKH 105 7 MS McComb, K-106 1945 KTDY 999 LA Lafayette 1947 WTXT 981 AL Fayette, 981 TXT

1951 un.D 97.3 "97.3 The Dog"

(Mike, I had this same un Diand suspect KMD. Kaplan, LA-gc)

1953 WFMF 102.5 LA Baton Rouge 1958 WZZR 927 FL Stuart

2001 WBHL 913 At Florence, Huntsville Stars boseball game

2013 WHTQ 965 F. Orlando classic rock 2031 WACQ 99.9 AL Auburn

2043 WAAC 92 9 GA Va dosta C93. kg

2053 WIKX 92.9 FL Punta Gorda, Kix country

1704 WRLS 923 WI Hayward, last hrd 921 1705 WSCD 929 MN Dulyth, c

1711 KDAL 957 MN Dututh

23 ES 2044 WQUE 933 LA New Orleans, Q93,

nothin' but jams 2050 WYLD 985 LA New Orleans, 1922

2055 WJXR 92 1 FL Maccleny, swap shap 2057 WPLA 93.3 FL Callahan, JAX club ads

2115 WWRM 949 FL Tampa, Warm 949 FM 2120 WEZY 941 FL Lake and

27 ES 2030 KBFC 93.5 AR Forest City, k 2033 KTKC 92.7 LA Springh I, oldies

2035 WKBL 93.5 TN Covington 2040 KWKH 945 LA Shreveparl, The Ranch 2043 WOGY 941 TN Germantown

№6 KWEH 971 AR Camden, "KAMD" 340 WYNU 923 TN Milan, Power 92

1835 C.OZ 963 NF Maryslown, "OZ" only FM logging, but TV was intense)

1650 WERB 973 CT Berlin, Berlin HS, finally, 31 ES 1711 KRXL 94.5MO Kirksville, Classic Rock The X 1713 KCMO 94 9MO Kansas City, Old es 95

1714 KSJQ 92.7MO Savannah, Q Country JUNE 1996 DX 2 ES

1642 WKXN 959 At Greenville 1644 WBLX 929 AL Mobile 1645 WKSJ 949 AL Mob e k

1652 WRKU 96.1 AL Mobile The Rocket 1711 WABB 97.5 AL Mobile, rock

1721 WMEZ 941 FL Pensacola 1725 WPCS 89.5 FL Pensacora, g 3 ES

2040 KBZB 929 KS Osage City "KS Radio for the 21st century"

2043 KMXV 93 3MO Kansas City, Mix 93 3 2046 KCMO 94 9MO Kansas Cty Oldes 95

2052 K.TH 99 7.MO Kansas City 2059 KOEZ 923 KS Newton

1100 briefly (5-10 min) from FL then TV only

1152 WZZR 927F L Stuart

1156 WOVV 95.5 FL Ft Pierce Country 95.5 1210 WJXR 921 Ft Maccleny, bargain shop

1916 WLWI 923 AL Montgomery, k

1917 KROK 921 LA DeR dder, 92 Rock 1919 WBLX 929 AL Mob e

1956 WOSN 971 FL Indian River Shores testing w/ocean sounds such as waves crashing, gulls, etc. and promos of future

programs Easy to ID 2006 WC.B 955 FL Ft Pierce, k

1018 WHPT 1025 FL Sarasota, The Pant 2019 WWDO 99 7FLVero Beach, mono ots of Vero Beach spots

MIKE'S DX CONTINUES!

HORTHERN FM DX

SEPTEMBER 1996

Mike Bugai's r	eport continues.	
	June 11 Es cont	
Safety Harbor Oldies	2158 WSTZ 1061 MS Vid	csburg
	2204 KWYN 925 AR Wyl	nne k
	2230 KTMO 98 9 MO Ken	nett, k
Homestead Spanish	2240 KKTZ 107 5MO Mo	untain Home
Ch effand, k	2245 K8VA 1065 AR Ben	tonville
Miami, Coast 97 3	2248 KQLL 1061 OK Ow	assa, Koal 106 1
Lake and, 97 Country	2254 KJKT 102 5 MO Jop	ure, k
Miami, 99 Jams	2255 KIPR 923 AR Pine	Bluff,Power 92 Jams
Pascagou a	2257 KSYN 92 5MO Jop	lin, Kissin 92.5
McComb K106	2300 KXOK 97 1 MO Flor	orisant, Mix 97 1
Monroe, Y 106	2338 KMAL 92 9MO Ma	den, Star 92 9
	Mike Bugar's re Safety Harbor ordies Key West, The Keys Homestead Spanish Chiefland, k Miami, Coast 97 3 Lake and, 97 Country Miami, 99 Jams Pascagou a McComb K106 Monroe, Y 106	Safety Harbor ordies Z158 WSTZ 106 1 MS Vicil Vicil

DANIEL OFITING - 4106 ELAND DOWNE - PHOENIXVILLE PENNSYLVANIA

Equipment Harmon-Kardon Citation 23 rabbit ears, & 20db Radio Shack Amp

MAY 1996 DX 19 Tr 0700 WZSK 1035 DE Bethany Bch, "The Shark" current young adult rock, new to air 22 Es (MUF 91.9) 1652 uniD 91 9 77 French ONT in on TV 23.Es.(MUF 97.9) 1143 WAYJ 88 7 FL Ft Myers "Way FM" gr 2031 WEZB 971 LA New Orleans B97 2050 WWRM 949 FL Tampa m "Warm" wx 2100 WBvM 905 FL Tampa D g 2100 WUSF 89 7 FL Tampa ID, c JUNE 1996 DX 11 Es (MUF 107.9) 2004 WAYJ 88 7 Ft. Ft Myers 2006 WCMQ 923 Ft Hialeah SS 2008 Mami 93 1 93 9 89 7, 94 9, 98 3, 103 5 2025 WZZR 92.7 FL Stuart ZZR r 2028 WKRY 93.5 FL Key West D 2029 WBGF 93.5 FL Belle Glade D 2030 WCLB 95.5 FL Ft Pierce "S Fla's country" 2035 WOSN 97.1 Ft. Indian River Shores, m. "Ocean 97 1" 2039 WPAW 997 FL Vero Beach k ad 2048 WRMF 97.9 FL Paim Beach, ID rp. 2050 WKGR 987 FL Fort Pierce The Gator ad 2100 WSCF 919 FL Vero Beach ID 2104 WEAZ 883 FL union Park g "Orlando's New 88 3"

2118 WEEJ 1001 FL Pt Charlotte k "SW FLA" 2124 WTNT 949 FL Talahassee k, ID 2125 WKSJ 949 AL Mobile k, calls 2130 WOOF 997 AL Dothan r ad 2151 WNBE 93.1 TN Alamo, g "Good News 93.1" ad for Lexington, TX (finally nabbed TNI) 2200 KOLL 94.9 AR Maumelie, "Oldies 94.9" ad

2200 WOKK 971 MS Meridian, k. ID 2206 WEEZ 993 MS Heidelburg k. ad 2208 KZBE 95.5 MO Pleasant Hope "Channel Z

95" ad (Dan this is the one that uses the Channel slogan Hope this is newl-go) 923 MO St Louis k calls

2210 WIL 96.3 MO St Louis "K Hits" 70s 2224 KIHT 2231 KCLR 99.3 MO Boonville k

2239 WMCI 1013 IL Mattoon cais 2246 KJMO 1001 MO Jefferson City r calls

2252 KICK 979 MO Palmyra k ID 2304-2351 weak sporadic on 88-91, dead by 2351 2229 WBEA 1047 NY Montauk "Beach Radio" AC 2235 WUNN 1067 NJ N Cape May ad

2237 WBAB 1023 NY Babylon rp calls 2240 WBAZ 1017 NY Southold o 2300 WHPC 90.3 NY Garden City, o ID

2313 WXTK 949 MA S Yarmouth 1 ID 17 Es (MUF 89.7)

2108 WAYJ 88 7 FL Fort Myers, "Way FM" 2109 WMCU 897 FL Mam g

2129 Es crapped out

25 Tr 0300 unID 89.7 ?? "The Breeze" VA?

28 Tr 2238 WEDW 88.5 CT Stamford (WXPN was off for 1 hr 40 min)

JULY 1996 DX

1 Es (MUF 107.3) 1813 KCMO 94 9 MO Kansas City Oldies 95 ad 1954 WAYJ 88 7 PL Ft Myers "Way FM" (seems

like every skip they're n' Geees) 1955 WJIS 88 1 FL Bradenton g

1957 Miami area relogs

2019 uniti B8 7 AL "Alabama Public Radio" (WRWA Dothan-gc)

2026 WAFR 883 MS Tupelo g"Amer Fam Radio" 2034 WCNA 95 9 MS Potts Camp, area ad

(This is the city of license Dan-gc) 2038 WWTN 99 7 TN Manchester, "The Talk

of Nashville" and calls 2045 KWEH 97 1 AR Camden "KAMD"

2053 KHLS 96 3 AR Blytheville, Country 96 k 92.3 AR Pine Bluff, s "Power 92", ad 2058 KIPR

2100 WIGH 88 7 TN Lexington, t ID widackson

2117 WMC 99 7 TN Memphis, r "FM100" local ment, super processed audio

2118 Es off FM 2120 Good SE VA Tropo

Got my 10 element yagı back ilt only told me my new location is bad. DX is tough here. Not much tropolately Es has been about average. Thanks to uoe Feta for help with "Ocean 97.1" WOSN

Dan O

JOSEPH FELA 150 ROBERT PLACE SO PLAINT E.D. N.J. 07080

Equipment - Mc ntosh MR-78 tuner, stacked Stereo Probe 9, on rotors at 40 ft , Bc n phase box

			on rocors at	Time,
APRIL 1996	3			ไ ขฅ <u>e</u>
21 Tr				
DOS7 WKCD	107.7	CT	Pawcatuck legal ID,	
			Smooth Jazz	146
23 Es	52.0	-	Punta Gorda,	
1001 W VV	22 9		Kix Country	1042
1658 WWRN	94 9	É.	Tampa, Legal 1D	985
1700 WCTQ	92 1	F.	Naples, cal k	1038
MAY 1996				
9 Tr				ĺ
2131 W <u>LIE</u>	102 5	-MY	Bridgehampton, un.	- 1
Or er-			D, Yankes BB	
21 Es	96 1	1.8	Brusly, D wx	т183
1915 WEME	102 5	IA	Bator Rouge, D	1173
	105.9	MS	Pickens, call +	
	"Sp	1831	t 106", WNWk phased	1025
1928 WL.5	101 7	ΜŞ	Gluc*stadt,	
			The New Lin 101 7	1042
1929 KTDY	99 9	_A	Lafayette, cali Jackson 'Mix 96', Frson ads ex WSL	1221
1940 (WUD)	}96 3	MS	Jackson Mix 96',	
1052 NI IM	99 7	MC.	wackson call urban	1059 1046
1953 KZMZ	96.9	1.4	Alexandria, call,	1046
1000 112112	20.0		classic rock	1208
2014 WBLY	92.9	AL	Mochie 193 Bux	10.5
23 Es				- 1
2030 WFT	91 7	FL	St Petersburg, D	1001
2001 41114	92,9	FL	Ocala, "Q-Lite"	1025
24 Es	100.1	T.	T.1 ID KD02	
18 Es	327 1	190	Tylen, ID, exi KROZ	1293
2232 MMES	93.9	Th	Bart'ett, 92 9 MPS'	0.24
29 Es			Date City, JE	324
1237 WNB	92 7	M	Newberry	
			WhBr hewst me	682
in Erenc	r 89	1 ar	nd CBC 90 5 assumed to	be
			Ft Francis, ON	- 1
31 B4	00.0		Marra and I have an	
16 31 KFGG	99 3	IA	Boone, call, looking for donations	1016
1638 # DA	92.9	I.A.	Ida Grove, call,	1010
			k, ex. 92 7	1092
1650 WPRE	94 7	W	Prairie du Chien,	
			no.11 L	B75
165. ≱ <u>DO</u> M	94.3	MM	Windom, D. Swap pgm Wamego, 'Angel 95"	1086
1709 RHCA	95.3	KS	Wamego, 'Angel 95'	1164
JUNE 1996				
2049 KTO	92.0	6.107	Posterna "France 62 61	1174
2100 KTRX	92.5	MC.	Beatrice, "Eagle 92.9" Tark'o, g Tegal D as	11/4
KAW	Z Twis	n Fa	ills/KTRX/KAEH Beaumont	1102
7				
0015 Richm	ond no	otec	i with WRXL-102.1,	
WLEE	96 5 3	and	WT.R-98 1	
TOOL WELS	02.3	A	Enadora object	
114 (wBG9	1 101	9.	WFLS", jingle, k	225
,	3 0, 3	5 A.V	A Fredericksbung,	
P)	- 101 F	50	/A's biggest hits, WKXW phased, ex WF/A	222
DICC WND.	104 9	V.A.	White Stone, legal D	44.1
	Windy	105	i", 40s/50s music	228
11 <u>E</u> ş				
27. WEDR			Miami, "WEDR 99 Jams"	
	Nearby	/ W/	WZ phased, first Es	
20 100 0	on 99	1 4	/WAWZ on'	1064
36 {W* s	8100 °	11 201-	Boca Raton, 'So FE's try", ex WWOG/WkQS	1060
	v .92 (JU101	FLY , BX WWOG/WAGS	1062

		hase bo	>×		
me_	E_T	. ,			
	JUNE 11	Es (co	<u>int inc</u>	<u>.ed)</u>	
	2101 (W	ARO)94.	5 FL	Naples, legal ID, "Arrow', ex WCVU	
				"Arrow', ex WCVU	1070
46	2102 WN	FQ. 100	5 FL	Newberry, D Ft Myers, ry 101 9" SW F. wx,	879
	2107 WW	GR 101	9 FL	Ft Myers,	
		"Gator	Count	ony 101 9" SW F. WX.	
42		DITCOMO.	WEE 2	nnaced	1062
85	0389 WO	OF 99	7 A	Dothan "Woof-FM" Lake C ty Mix 94 ?	890
38	2116 Whi	FR DA	3 5	A BUB C to May 94 2	0.40
		. п э4	2 . 1	Local ads	854
	2112 NAC	TY OF	2 5	Clearwater,	0.34
	S) 1 of ML4	IV 37.	7 FE	Crearwater,	
	0100 ···		PI T	ix 96" in Tampa	995
	2128 WZ	ZR 92	FE	Stuart, "92.7 ZZR	982
	2133 WG0	DM 102	3 MS	Gulfport,	
83				"Coast 102 3" wx	1085
73	2136 WRI	LD 95.	3 AL	Valley, ID,	
				Braves hasehall	
25	2140 WZ0	GC 92	9 GA	Atlanta, 'Z 93', ads Ackerman, D	72,
	2156 WF0	CA 107	9 MS	Ackerman, D	963
42	2157 KAR	RF 88	AA F	Little Rock 'O.	,,,,
21	E 5	DI DU		W8GO phased	1065
٠. ا	2207 × 19	MO OD	0 140	mode phases	
	2207 8 12	TIU 20	3 110	Kennett, call, k	897
59	2251 KG	MX 180	5 MU	Aurora, My Country	
46				Ozark's weather	*DE\$
. 1	2241 <u>KA</u> 1	<u>TI</u> 94	3 MO	California,	
Ó8				"Cat Country", ads	968
.5	2246 2	> 94	1 'T⊩	ne Max Who this?	
- 1				WPAT phased	
p1	2254 WT8	BW 97	3 KS	Topeka,	
25				"Topeka 97 Country"	1132
	2207 KM	47 00	7 MO		1013
00		MC 33	1.10	Garriesville, D. K	10.3
93	16 Tr		4		
	2155 WR	x5 JOE	9 ME	Ocean City, ega 1	
24		At	the x		15 *
	2202 MD0	Ox 93] ₹	Wildwood Orest, D. r.	
				e or 93 D when t	
82	first	t came	on th	e air. WPAT phased.	112
	2230 WYS	AS 90	7 Nu	Manahawkin, g D ac	d
- 1		_		WFUV phased	58
- 1	17 Es				
- 1		90.	7 1 4	Alexandria ID, NPR	1194
16	18 Es	01- 001	, =-	A example of the	1124
'' I	1072 22	00 00	0.77	B 'B20'	1200
	1033 556	DW 22.	7 40	Pasadena, '930', x Jackson, call, jams	1393
92	1943 WJF	1 99	FIRS	Jackson, call, Jams	1046
. [101 July	7 TX	Bay Cit Pocs" ad	
75	22 Es				
86					
	0956 KQR	CT 95	3 ₆ A	Bayou Vista, call, k	1167
64	- 1120 (Wh	NSY } 100	.1 FL	Bayou Vista, call, k Port Charlotte,	
64	1120 (Wh	NSY}100 un Goun	.1 FL try 1	Port Charlotte, 00".local ads ex WEEU	
64	1120 (Wh	NSY}100 un Goun	.1 FL try 1	Port Charlotte, 00".local ads ex WEEU	
	1120 (Wh	NSY}100 un Cou n RLX} 92	.1 FL try 1 1 FL	Port Charlotte, 00",local ads ex WEEU West Pa m Beach,	1047
	1120 (WN "SL 1155 (WF	NSY}100 un Coun RLX) 92 ca	.1 FL try 1 1 FL 11, a	Port Charlotte, 00",local ads ex WEEU West Pam Beach, d, wx, ex, WWRN/WNGS	1047
74	1120 (WI "SL 1155 (WF	NSY}100 un Coum RLX} 92 ca NK 96.	.1 FL try 1 1 FL 11, a 9 F.	Port Charlotte, 00",local ads ex WEEL West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers Wyon o	104T 1009 1041
	1120 (WI "SL 1155 (WF	NSY}100 un Coum RLX} 92 ca NK 96.	.1 FL try 1 1 FL 11, a 9 F.	Port Charlotte, 00",local ads ex WEEL West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers Wyon o	1047 1009 1041 1037
74	1120 (WF "SL 1155 (WF 1202 W A 1206 WV 1229 WOL	NSY}100 un Coum RLX} 92 ca NK 96.	.1 FL try 1 1 FL 11, a 9 F.	Port Charlotte, 00",local ads ex WEEU West Pam Beach, d, wx, ex, WWRN/WNGS	104T 1009 1041
74	1120 (WF 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr	NSY)100 un Coun RLX) 92 ca NB 96. J 91.	.1 FL try 1 1 FL 11, a 9 FL 7 FL 3 FL	Port Charlotte, 00",local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o	1047 1009 1041 1037 1053
74	1120 (WI "SL 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK	NSY)100 un Coup RLX) 92 ca NB 96. J 91. LZ 95.	.1 FL try 1 1 FL 11, a 9 FL 7 FL 3 FL 3 NC	Port Charlotte, 00",local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o Atlantic call tak	1047 1009 1041 1037 1053 410
74	1120 {Wh "Si 1155 {WF 1202 <u>W</u> A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE	NSY)100 un Coun RLX) 92 ca NB 96. J 91. LZ 95. KF 107 32 103	.1 FL try 1 11, a 9 FL 7 FL 3 NC 7 NC	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, Wurne o Port Charlotte, D Ft. Myers, call, o Atlantic call take williamston The Hot	1047 1009 1041 1037 1053 410
74	1120 (WI "SL 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE	NSY 100 un Coum RL x 92	.1 FL try 1 1 FL 11, a 9 FL 7 FL 3 FL 3 NC es 9	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o Atlantic call take williamston 'The Hot 6.3/103.7 weather	1047 1009 1041 1037 1053 410
74	1120 (WI "SL 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE	NSY 100 un Coum RL x 92	.1 FL try 1 1 FL 11, a 9 FL 7 FL 3 FL 3 NC es 9	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o Atlantic call take williamston 'The Hot 6.3/103.7 weather	1047 1009 1041 1037 1053 410
74	1120 (WI "SL 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE	NSY 100 un Coum RL x 92	.1 FL try 1 1 FL 1 FL 3 FL 3 NC es 9	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink n Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston 'The Hot 6.3/103.7 weather Lex ngtor Park	1047 1009 1041 1037 1053 410 56 352
74	1120 (Wh "Su 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE F	NSY)100 un Cour RLX) 92	1 FL 1 FL 1 FL 1 FL 3 FL 3 NC 7 NC es 9	Port Charlotte, 00",local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink n Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston 'The Hot 6.3/103.7 weather Lex ngtor Park WMDM/WPTX-AM D, k	1047 1009 1041 1037 1053 410 55 352
74	1120 (WI "SL 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE	NSY)100 un Cour RLX) 92 ca vs 96. 91. 2 95. kf 107 32 103 Rick De 97	try 1 FL 11, a 3 FL 3 NC 9 FL 3 NC 9 7 NC 9 7 NC	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, Winn o Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston The Hot 6.3/103.7 weather Lex ngtor Park WMTM/WPTX-AM D, k Jacksonville, local ac Notice and the second of	1047 1009 1041 1037 1053 410 55 352
74 02 25	1120 (Wh "Su 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE F	NSY)100 un Cour RLX) 92 ca vs 96. 91. 2 95. kf 107 32 103 Rick De 97	try 1 FL 1 FL	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, "Winh a Port Charlotte, D Ft. Myers, call, o Atlantic call tak willianston "The Hot 6.3/103.7 weather Lex ngton Park WMDM/WPTX-AM D, L Jacksonville, loca ac w Wk.A '01 1 o res	104* 1009 1041 1037 1053 410 FM 352 195
74	1120 (WI) 1155 (WF 1202 W A 1206 WV 1229 WOL 29 TF 0722 WTK 0736 WCE 0745 WH0	NSY)100 III Coum RLX) 96. 96. 91. 2 95. KF 107 32 103 RICK De 07 97	try 1 FL 1 FL 3 NC 7 FL 3 FL 7 NC 9 FL 7 NC 9 7 NC 9 7 NC 9 7 NC 9	Port Charlotte, O", local ads ex WEEU West Pa m Beach, d, wx, ex. WWRN/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston 'The Hot 6.3/103.7 weather Lex mgton Park WMDM/WPTX-AM D, k Jacksonville, loca ac w 'WW JA '01 1 o lies WRKS phased	1047 1009 1041 1037 1053 410 352 195
74 02 25	1120 (Wh "Su 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE F	NSY)100 uin Cour en	.1 FL try 1 1 FL 11, a 9 FL 3 FL 3 NC 7 NC es 9 7 NC a D	Port Charlotte, O", local ads ex WEEU West Pa m Beach, d, wx, ex. WWRNs/WNGS Ft Myers, 'Wink o Port Charlotte, D Ft. Myers, call, o Atlantic call ta k williamston 'The Hot 6.3/103.7 weather Lex mgton Park WMDM/WPTX-AM D, k Jacksonville, loca ac w/Wk.A 101.1 o lies WRNS phased Monehead City, Legal	1047 1009 1041 1037 1053 410 352 195 ds
74 02 25	1120 (WI) 1155 (WE 1202 W A 1206 WV 1209 WOL 29 Tr 0722 WTW 0736 WCE F 0745 WMCE 0753 WKC	NSY)100 NSY	.1 FL try 1 1 FL 1 1, a 9 FL 3 FL 3 NC 7 NC es 9 7 NC 2 NC 2 NC 3 NC 1 NC 2 NC 3 NC 7 NC	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, "Winh o Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston "The Hot 6.3/103.7 weather Lex ngtor Park WMDM/WPTX-AM D, k Jacksonville, loca ac w WA A 101 1 o ries WRNS phased 03.7, WOXR phased 03.7, WOXR phased	1047 1009 1041 1037 1053 410 352 195
74 72 72 73 74 75 75 75 75 75 75 75	1120 (WI) 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE 0745 WMC	NSY)100 III Coum RLX) 96. 2 96. 2 91. 2 95. IF 107 32 103 RTICK De DO 98 HT 96. W/W W/W ERO;93	.1 FL try 1 1	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, "Winh o Port Charlotte, D Ft. Myers, call, o Atlantic call ta k williamston 'The Hot 6.3/103.7 weather Lex ngton Park WHOM/WPTX-AM D, k Jacksonville, loca ac w Wk A 101 1 o res WRKS phased Morehead City, Legal 03.7, WOXR phased Washington, "Arrow 93	1047 1009 1041 1037 1053 410 FM 352 195 is
74 02 25	1120 (WI) 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE 0745 WMC	NSY)100 III Coum RLX) 96. 2 96. 2 91. 2 95. IF 107 32 103 RTICK De DO 98 HT 96. W/W W/W ERO;93	.1 FL try 1 1	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, "Winh o Port Charlotte, D Ft. Myers, call, o Atlantic call tak williamston "The Hot 6.3/103.7 weather Lex ngtor Park WMDM/WPTX-AM D, k Jacksonville, loca ac w WA A 101 1 o ries WRNS phased 03.7, WOXR phased 03.7, WOXR phased	1047 1009 1041 1037 1053 410 352 195 ds
74 72 72 73 74 75 75 75 75 75 75 75	1120 (WI) 1155 (WF 1202 W A 1206 WV 1229 WOL 29 Tr 0722 WTK 0736 WCE 0745 WMC	NSY)100 III Coum RLX) 96. 2 96. 2 91. 2 95. IF 107 32 103 RTICK De DO 98 HT 96. W/W W/W ERO;93	.1 FL try 1 1	Port Charlotte, 00", local ads ex WEEU West Pa m Beach, d, wx, ex, WWRN/WNGS Ft Myers, "Winh o Port Charlotte, D Ft. Myers, call, o Atlantic call ta k williamston 'The Hot 6.3/103.7 weather Lex ngton Park WHOM/WPTX-AM D, k Jacksonville, loca ac w Wk A 101 1 o res WRKS phased Morehead City, Legal 03.7, WOXR phased Washington, "Arrow 93	1047 1009 1041 1037 1053 410 FM 352 195 is
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	J	SEPH	FELA	-	150	ROBER	T PL	ACE		80,	PLA	INFIE	LD,	N.J.	- 07080		
Equipment	-	McIn	ntosh	MR-	·78 t.	mer/s	1ack	ed :	Ster	eo P	robe	9a +		single	Stereo	Probe	θ,
				nn.	rotor	re. at	40	21.	. Bo	lin :	nhaar	a bow					

1		on rotors, at 40 ft	
1		Time	
ŀ	JULY 1996		JULY 7 Es
ı	1 Es		2058 KRSW 89.3 MN Worthington, ID, MPR 1106
1	1740 KCMA	92.5 OK Oklahoma City	2100 KTSD 91.1 SD Reliance,
		Jingle, oldies 1304	S.D. Public Radio + local ID 1308
	1743 KCDL3	99.3 OK Cordell, Cordell ad,	2101 ?? 92.9 ?? Moody Bible
		OK Highway PSA	2105 KXAC 100.5 MN St. James, call, 1051
	1749 KV00	98.5 CK Tulsa, call +	2122 KIDA 92.9 1A 1da Grove, cail +
		"The Ranch", k 1205	"Country 92.9" 1092
	1800 WPRL	91.7 MS Lorman, ID 1109	8 Es
	1 Tr		1241 KBEZ 92.9 OK Tulun, ads 1203
	1958 WGAY	89.5 DC Washington,	9 Es
		New WGAY", lite r, WBAI phased	1910 KBEZ 92.9 CK Tulsa, call 1203
		Not beard in many years! 181	1915 KOBC 90.7 MO Joplin, jingle 1120
	1 Es	1101 and 111 201,01	1022 KILS 92.7 KS Minneapolis, call +
		95.7 MS Charleston, call +	"Hot Country" 1236
	2004 118322	Power 95 , sounded g 976	1929 KOMA 92.5 OK OKC Jingle, oldies 1304
	2043 WRLE	100.5 MS Batesville, ID, k 957	1932 KREP 92.1 KS Belleville, "KR-92,
		3104.5 TN Memphia, ID, Ex: WTCV 912	Area weather 1226
)105.9 Th Memphis, ads, legal ID,	1738 KBTN 99.7 MD Neosho, call, k 1105
	STOS INCHA	k, Ex: WEZI, WNWK phased. 920	
	2122 3004	102.1 AR Mena, call, jingle, ads 1162	
			2018 KGVE 99.3 CK Grove, call, k 1132
1		99.9 AR Ft. Smith, call, k 1146	2030 KAMO 94.3 AR Rogers, call, k 1108
1	1 Es) 104 2 No market Press 107 (1048	2036 KFXI 92.1 CK Marlowe, ads, "Foxy 92" 1352
	SSS (WEAR)104.3 NC Tarboro, "Foxy 107/104"	2037 KTCS 99.9 AR Ft. Smith, call, k 1146
7	0045 10000	urban, Ex: WCAS, WAXQ phased 371	2100 KETR 88.9 TX Commerce, ID 1290
		95.9 VA Colonial Beach, "Q-96"	11 Es
		oldies for over an hour but	1747 WOLX 94.9 WI Baraboo, call, o 811
1		r caught a legal or local mention!	1750 (KRUE)92.1 MN Waseca, "Crew 92",
1	2352 WCDX	92.1 VA Mechanicaville,	ads, Ex: KQDE 998
L		"Power 92", legal ID, urban 258	1753 KITN 93.5 MN Worthington, call +
	2 Tr		"Kitten", oldies 1106
	0010 WSHY	98.9 VA South Hill, call +	1756 KKCK 99.7 MN Marshall, ID 1120
		"The Engle', k 333	1758 KVIK 104.7 IA Decorah, call, ads 912
		101.3 NC Wilmington, ads, jingle,	1800 KKOK 95.7 MN Morris, call,
ı		DE phased, over WXPZ, Ex: 100.9 491	wx warning 1137
		98.7 NC Jacksonville, wx, o 453	1804 MMXK 94.9 MN Cold Spring, legal 1D
1	0043 WSAY		at greatly reduced level 1065
н		"Say 98.5" 368	1805 (WMGA)95.9 WI Minocqua, call, wx,
L	0049 WRHT	96.3 NC Morehead City,	Ex: WMH 851
н		"The Hot FM', WQXR phased 424	1812 WICH 99.3 WI Medford, nx.
	_2 Es		call, ads 865
	1113 WFFN	95.3 AL Cordova, ID, also	1819 WBSZ 93.3 WI Amhland, call,
		mention of WARF 848	antellite k 922
Ł	1119 WRJH	97.7 MS Brandon,	1823 CJSD 94.3 QN Thunder Bay, ads 907
1		"Gospel 97", ads 1038	1824 WTEX 93.9 MN Hibbing, call, into nx,
Н	1122 WTXT		WMYC phased. 1036
	1125 WMSV	91.1 MS Starkville, r, wx, call 933	1826 French on 89.1 and 89.3 but with
	1151 WEEZ	99.3 MS Heidelberg, PSAs, call 1027	different programming. Assumed CKSB-9
1	1153 KSIG	102.1 LA Basile, ID 1237	and CBON-20 respectively.
		102.3 MS Philadelphia,	1828 CBSM 89.5 ON Smult Ste. Marie
	-	"Classic 102", ads 078	CBC, WSOU phased 645
	1201 {WTGE	100.7 LA Baton Rouge,	1830 CBQH 100.9 CN Dryden,
		on Rouge's The Tiger", Ex: NONY 1180	CBC in Manitoba ID 1099
		95.9 MS Taylorsville, jingle 1032	1912 CIT1 92.1 MR Winnings, "92 City" 1280
	4 Es		1915 KKNQ 92.5 MN Warroad, "KQ-92",
1		88.5 MO Rolla, TD 945	Warroad ad, Mi news 1178
	1702 KERX	95.3 AR Paris, call. wx 1115	1943 KMFY 96.8 MN Grand Rapids, call, ads 1055
1	1723 KCTG	92.9 MO Ozark, call, wx 1038	2047 KYYY 92.9 ND Bismarck, "Y-93" 1386
	COMMENTS:	I Il give the skip season a "C+ and	that only because of the 7/11 opening to the

COMMENTS: I'll give the skip season a "C+ and that only because of the 7/11 opening to the northwest. A somewhat disappointing season with a lot of dates of skip but most of the openings never got off the ground. Also, there was no massive Es opening the year. Tropo, aside from two good N.C.openings, has also been disappointing. 73, Jos.

HARRY J. HAYES - 9 HENRY STREET - WILKES-BARRE, PENNSYLVANIA 18702

Equipment GF Superradio w/110 kbz filter Radio Shack amp at set legrald 0 alamant EM ...

Edubuteur	ar pahe	LEGIC MA CIG KI	I'm I'ile naulu	SHAUK AIR	ih ar zei	, Jerror	091	erement rivi yagi in att c
MAY 1996 I	9.K			JUNE	1996 DX			
21 Es				11 Es				
1959 WCK	W 923	LA LaPlace, 'F	Роск 92 31	2100	WOOL	103 7	FL	Vero Beach
23 Es				2140	un D	1063	22	rr, "Q106"
2105 WSO	R 90 9	FL. Napies		2158	<u>WHMA</u>	100 5	A.	Anniston
2106 WAY	G 89 1	FL Sarasota, *	Way FM"	2206	WKCNt	99.3	GΑ	Lumpkin, 'Kissin 99'3' tent
2113 WED	W 92.5	FL Key West		2225	WNSL	100.3	MS	Laurel "SL 100"
28 Es				2234	KPFM	105.5	AB	Mountain Home
2253 KPLC	94.5	SD Reliance, 1	94 Country"	2250	KGMY	100.5	MO	Aurora 'My Country'
				2300	KCVO	91.7	MO	Camdenton re D
				2305	KUAR	89 1	AR	Little Rock
				2330	KWFC	89.1	MO	Springfield local ads
				22 Tr				
				1050	WOSH	91.7	NY	Middletown

As of late June Eiskip has quieted down. Best opening of the season so far has been on the 11th, with intense skip. nto the top of the FM for a good 2 and a half hours. Not much yet as far as trops. The 23rd and 24th proved good for UHF-TV to the west but I didn't note anything unusual on FM, that is during the very brief time I checked it. Also of note-locally, WDLS 93-7 Dallas PA is now simulcasting WSGD 94-3 of Carbondale and has an oldies format. WKOV 95.7 has been bought by WARM 590 and is simu casting that station along with the 1550 AM outlet. It seems that amost half of my locals are simulcasting another station. If every station were an original, wouldn't have the mess I currently have on the band. On the good news side, all of my problems with the cable wire have disappeared, giving me many more clean frequencies for DXing Let's hope it stays that way. Good uck to all during this season

RICK SHAFTAN - 217 GREEN RD. SPARTA, NEW JERSEY 07871 (201) 586-3563, Beeper for DX. (201) 661-5662. EQUIPMENT. Real stic STA 2280 with 7-110 khz t. ters (see McVey article Nov. 1990), Channel Master 20 e.ewent TV 45 AGL, phased with FM 13's verticially stacked and winegard AP-3800 Amp (37.9 dB gain, 3.2 dB noise figure), 30' AGL and the Bolin Phase Boy (VHF antenna used for phasing) (IN CAR Kenwood KRC-430 with we 110 khz filters, All times approximate

MAY 1996 L	<u>12</u>	
10 Es		
1670 923	WCMQ,	Hialcah FL
21 8		

1900 93.7 KDEA, New Ibena LA Instant Scratch LA Lotters "93 7 The Mrs" 1907 1057 WAKH, McComb MS "Your Country Connection K 106"

24 Es 1950 92 1 200) Black pgramming

2041 93 7 2222 Muzak

31 Es

1446 92.9 KKBQ, Pasadena TX 93Q Country

1448 93 1 KOID, Alexandria LA Loca, ads. central LA promo Also mentions of O93 Which could be this station or another one (KQID is indeed now "Q93" gc)

1450 93.3 KLTN, Port Arthur TX Spanish

1452 93.3 2222 Gospel

1454 106.1 KIQC, Orange TX Ad for Kahn's 1401 16th Street in Orange

1455 106.5 KQQK, Galveston TX Span sh

1456 105.7 9999 C/W

1500 1057 KHCB, Houston TX Nice ID

1501 1043 KEZP Bankre LA Local news

1502 102 9 9999 News Mention of Atkinson 1510 102.7 KWLT, North Crossett AR

"South Arkansas Best Oldies, T-102.7"

JUNE 9 Es

203, 92.1 WDDL, Adel GA In Car 2054 93.7 WMJY Blox MS Multicity ID 2055 92.5 2227 Rea. Country

2057 945 7222 Soul

21 x 95.7 WTKL, New Orleans LA Cool 95 21 i2 93 3 WQUE, New Orleans LA Q93

2.51 94.1 7797 Elton John Disco. 22(x 95.3 2222 USA Radio NS

.414 90.5 WHRW. Binghampton NY Mention of place on Rt. 11 near the state line

16 Es-Tr

2322 102 5WLIE, Bridgehampton NY Calls and .ocal ads. 92 5 CT has established a good niche here. With WBAB at 102 3, WLIE's potential audience is limited New 94.3 Country has bad signal problems. With any kind of trop. HadWJLK busting through. While driving on the Long Island Expressway in Smith town, 94.3 s city of licence



RICK SHAFTAN's report continues.

JUNE 17 Es

1845 90 9 KSWP Lufkin TX ID

NORTHERN FM DX

1920 92.5 KTFA Groves TX ID

1930 92 5 KZPS, Dallas TX ID

,948 92 | 7777 Tejano maybe but hard to tell in that mess

2041 881 WAYF West Palm Beach FL Way-FM 29 Tr

2122 923 WWKA, Orlando FL K 92

2115 94 1 WSJT), Lakeland FL Smooth Jazz 94 1 Think these are the calls for this one

2118 943 7777Religion

2120 88 7 WJFR, Jacksonville FL ID

2130 921 WJXR Maclenny FL ID

2144 90.1 WXHB9, Mount Hope NY DJ at station intimated this Was the one relaying WFMU 91 in East Orange NJ Said they had a repeater on 90.1 "somewhereon the way to Bingnamion" This is a confusingfund during an Es opening

18 Es

0920 93 3WFLZ, Tampa FL Local ads

0931 92 3 WCMO, Hialeah FL Spanish

0940 92 5WEOW, Key West FL Disco

1000 93 7WGYL, Vero Beach FL ID

1031 95.5 (WCLB), Fort Pierce FL. All new country 95.5

1148 93 7KKRW, Houston TX 85 degrees at the Arrow #3.7

1152 90 9 222 Insight for Living

21 Ex

1224 100 IWEEJ, Port Charlotte FL. Sun Country 100

1229 97.3 WFLC, Miam, FL Local ads

2232 95 5WKYE. Johnstown PA "Keeping the 70s alive, Key 95" Then ad for Central PA. Blues Festival.

2230 100.1 WPRR, Altoona PA ID

2323 97 5WKVE St. Marys PA King B seut and ID

2355 107 3WDBA DuBois PA o/local WAWZ xltr

24 Tr

0037 102 1WOWO, DuBois PA Q-103, solid on top of Phla

0100 88 5WCII, Spencer NY ID

0104 93.3 WBBG, Youngstown OH Oldres93 WBBG

0107 101 IWGMR Tyrone PA GMR

0117 100.3WHGL, Canton PA Wiggle 100

0123 97.7 ???? Vanety 97.7 Is this Jersey Shore relog

0147 96 9W - Harmony NJ Rebroadcasting WFDL westrong trop instead of Trenton. This baby just increased power or something. They're 2033, 96.3, WJDX, Jackson MS. strong on the channel now

0158 96.3 CFMX 1. Missisaugua ON Canadian mentions and classical mx

0159 95 9 CFPL, London ON, Solid W. London's Best Rock FM 96

JUNE 27 Tr continued

0233 99 5 2222 C/W (WOKN-NY or WGAR2-gc)

0242 95 I WICT Grove City PA Thru semilocal WZZO W/phasing Cat Country

0246 99 9WIII Cortlandt NY C W thru semiloca WODE, Ided as Litara only

1000 96 3 WRHT, Morehead City NC ID as Hot FM

1010 95 3 ???? Sky95 Mention of Frankfort T think this is Laure, DE

30 First Es in nine days

1934 93 3 7777 Promo for Star 93 3 and Phone

Number 1 888-841-0933. Tried it and not available.

from this area. Is this New Or eans? 2018 93 3W SYE, Houston MS Sunny

93.3

JL LY 1996 DX I Es

0852 93 5 WTPA Mechanicsburg PA thrule! WSBG

0913 96.7 WQCM, Halfway MD Calls thru local WTSX

1500 Richmond solld on 8-12. Richmond area FMs.

1718 93 7 2222 Ad for Dunaway Signs "All over the coast

1725 93 7 2277 Lo 72 Ht tomorrow 98 W .h no W nd Calls sounded like KCEM. Mention of a town called Hielton. Will check both of these via-Phone Book search

1735 95.9 KYBE Frederick OK ONN News ID ed by call to station. This one is pretty far.

,745 94.7 KEBC, Oklahoma City OK Calls thru Jocal WFME

1806 99.5 2277 Country Sounded like Tornado 99.5

1813 100 9 KPNC, Ponca City OK 101 Country

18.8 017 " Sounded like a Christian Station

1820 100.1 KIXR. Ponca City OK Mrs 100

2004 88.3 ???? Religion With heavy fade right at ID 2009 89 1 WAYG, Sarasota FL Sounded like

heavy metal with Way-FM

2020 95.3 WFFN, Cordova AL Several IDs and typicalWx for stations received today. Low around 70. Hi near 95. Picked this one up on 92.9 in the early 80s.

2020 953 WAFM, Amory MS Local ad

2021 95.5 KJEZ, Poplar Bluff MO Local ad

2022 95.7 7???Religion

2029 96.1 WLZA, Eupora MS Lame W promo for Joey T. Morning Show and best of 70s. 80s. and 90s. Local ads.

Mrs 96 3 thrulocal WQXR

2035 96.7 WONA, Winona MS Local ad

2040 97 5 722?Country thru local WPST

2045 99.1 WYMX Greenwood MS Max99 FM

RICK SHAFTAN's report continues.

ILLY 1st Es cont

- 2047 99 3 WEEZ, Heide, berg MS Solid Gospel FM
- 2050 993 WBIP, Boonville MS NE MS Wy Then a client calls right in the middle of all this Back to Work
- 2.04 100.3 999 16K-DOT-100° thru tocal W phone 433-1003
- 2105 100 5 WBLE, Batesville MS Country 101
- 2106 1009 WVHR Hunt ngton TN Calls and country for mice short skip.
- 2. k 101 J WRR, Dallas TX Classica
- 211C 103.5 WWKZ, New Albany MS Local ad
- 2118 1045 KKDA Dal.as TX Heavy Soul K104
- 2123 .06 1 2299 Ad for store called Bunches Mentioned summer activities including "Going to the Rodeo"Which implies TX. Music was Soul or Disco but so many stations were coming in it was hard to tell which one
- 2130 102.9 KDMX Dallas TX Mrx 107.9
- 2132 100 5 KZHE (t), Stamps AR Believe this one called itself Z-100 but Was playing Metal. Rock which would seem to be a format change
- (Rick, KDEZ-AR just moved to 100 5-gc) (Incidentally, O. 104.3 NY is now Classic Rock,
- 2145 99 1 2970 Kick FM (KHCK Denton TX-gc) 2147 997 KBCY. Tye TX Abilene's Y 99 First
- 1500+ DX with mileage at 1523 (nice1-gc)
- 2149 98.9 KTMO. Kennett MO Calls
- 215C 98.7 WKOO Jacksonville NC Good TimeOldies Coo. FM
- 23.5 1043 WFXK Tarboro NC Foxy 107 104
- 2323 JOL9 WIKS New Bern NC Kiss 102, Coastal Carolina's Best
- 2344 00.9 WNNT, Warsaw VA Now calling itself River Country 100 9
- 2350 102.7 WGNI, Wilmington NC Thank to Bob. S. for Parallel But couldn't parallel that Channel 34 Fort Pierce FL he got

2 Ir-Es

0005 899 WRVS Elizabeth City, Also

90 7 WOTJ Month and City

- 0010 92.5 WYFL, Henderson NC On top with religion
- 0015 93.7 WKOC?, Chesepcake VA Now K-947 W/Howard Stern in Morning and Classic Rock all day
- 1125 92.5 779? Religion Phyllis Schafly Report at 1130 6 Birmingham also in
- 1133 93.7 WDJC, Birmingham AL Rel
- 1134 94.1 WYCT Kenwood LA Cals
- 1135 943 2222 Country Announced duopoly w/a 93 7
- 1137 949 ????Mazak
- 115C 95.9 WBBN Taylorvide MS Hot New Country on B95
- 96.7.7272. Supply of Sparrow Bush' 103.3 WKJN, Hammond LA Cajun 103

ILLY 2 Es cont.

- 1145 1049WSLY, York AL Ad for restaurant "At the Livingston Exit"
- 1155 100 3WNSL, Lavrel MS SL-100 Mississippi's Hottest Hits
- 1200-89 1/89 5Different Religious Stations
- 1204 98.9 WYKK, Quiaman MS Call w/WBFN
- 1207 98 3 2222 Soul
- 1210 94.3 WIIX Galliano LA Ad for LA National Guard
- 223 95.5 WJDB. Thomasville AL Country 95.5 w mentions of \$ AL and calls. Once received this
- 1229 98 | ????Froggy 98. I don't think this was Altoona although it is possible
- 1232 995 WRNO, New Orleans LA The River
- 1233 92.5 WXOR, Ocean Springs MS Real Country on Gulf Coast Network
- .235 97 1 WEZB. New Orleans LA B97FM
- 1236 103 I WOSM Ocean Springs MS Religion
- 124 94 1 2227 Muzak
- 1742 94.5 WJZD, Long Beach MS JZ Jams
- 1243 95.3 WLUN, Lumberton MS Calls
- 1300 91.3 WMPN, Jackson MS TD
- w calls and PRM 1302 903 WMAH Biloxi MS
- /91 3 w MS w x
- .303 89 5 WPCS. Pensacola FL USA Radio Nv. Promo as Conservative Christian Station calls
- 1310 90.7 WWOZ, New Orleans LA Gospel concert promo and calls at 1330
- 1315 88.5 WUSM, Hattiesburg MS Public Radio for South MS

- 1647 92 I KHPQ, Chinton AR Calls
- 1653 92.5 WBKR, Ownesboro KY Short skip and its a relog. Ad for BJ's Munch and. More in Owensboro, Fordsville
- 1701 92 7 ????Power92 Enjoy the sunshine in Willmar MN Ad for Nicholson Oi
- 1710 92.5 ???? Ad for "Tylers"
- 1726 92.3 7777 Rap

- 1930 92.3 KEZO, Omaha NE Z-92 w phasing
- 1933 93 1 KRVN, Lexington Exit 126 on 1-80 at Ogalalla.
- 1935 95.1 KNET, Lincoln NE Eagle Raceway. 10 miles E of Lincoln
- 938 99 9 KGOR, Omaha NE Oldres, calls
- 1950 100 3 7777Eagles, K-Lite 100 3 Thought I heard an IA mention
- 1955 997 KOGA, Ogalalia NE Local mention
- 2000 94 9 2792 Mutual Nx, CNN Radio Nx, religion
- 2054 89.7.2222 "The River"

HORTHERH FM DX

RICK SHAFTAN's report continues.

7 Es-TrS

- calls of the one I got previous week They IDed as WTIX, New Orleans
- 1729 90.5 WCRH, Williamsport MD Calls
- 2, % 92.5 KELO, Sloux Falls 5D Jazz, calls
- 2.1 949 WOLX Baraboo WI Oldies calls
- 21. 95.1 KWOA, Worthington MN Soul KO 95
- 21 5 97.7 ????Big band style mx
- 2115 893 KXNE, Norfolk NE Classical Statewide Wx Don't think this was Lincoln even though I heard a Lincoln mention in the forecast. Sure sounded like an NPR type
- 2.18 957 KQWC, Webster City IA Webster City Federal Savings
- 2.2 101 7 ????Cases's Coast to Coast
- 2.31 93 5 KKOT, Columbus NE Local ad
- 2140 94.9 KJLT(t). N. Platte NE Religion. WAWZ 99 1 NJ
- 2150 98.9 KKPR, Kearny NE Oldies, calls mixed with a Country station
- 2155 997 KOGA, Oga alla NE Back again

- , 235 92.5 KOMA, Okahoma City OK Calls The station you sing along to"
- 13 5 92 1 KHPO, Clinton AR Cains Outdoor in Conway
- 1330 93.7 KISR. Fort Smith 1723 E. Main in Van Buren
- 140x 92.1 WJMG Hattiesburg MS Mentions of Lamar County and Southern Urban Network

9 Es-TrS

- 0000 1017 ????*K1017"
- 1957 92.5 KSYN, Jophn MO
- 2000, 92.1 1999 "The Oasis"
- (Rick this is KOAS Broken Arrow OK-gc)
- 2010, 92.5 KOMA Oklahoma City 2020 100 L KYKC, Byng OK Oklahoma's
- Whitewater Bay in Ada 203), 101 7 2222 Calls sounded like KCET and adfor a place "on Route 61 North" which would not indicate US 61
- 2035 949 KSBH, Coushatta LA Country 94 9 and ad for Bank of Coushatta
- 2042 95.3 ????Tanya Tucker and ad for the Western Festival in Colorado
- 2045 96.3 KSCS, Ft Worth TX C/W calls
- 2046 100 9 ????Marvin Gaye
- 2047 101 7 7977 Soul, probably Hope AR 2050 103 3 KIXB, El Dorado AR
- 2052 100.1 2722 Gospel USA Radio Ny at 2100
- 2105 1015 KNUE Tyler TX C/W Calls Bes, of E. Texas
- 2110 101 7 2727Running Al. Star Game Anyone got a list?
- 2114 103.3 KWFS, Wichita Falls TX Lone Star Country

JULY 9 Es

- 1200 943 (WTIX), Galhano LA These are the correct 2115 1029 KBICu), Alice TX Tejano my bursting through KDMX Dallas At 161, miles, this would be the farthest Es yet
 - 2120 102 9 7777"K Lite"
 - 2130 957 KKAJ Ardmore OK Country LovinMy. Cails.

10 Ls

- 1037 100 1 KPYN, Atlanta TX Trading Postw 501 phone
- 1039 100.9 KDEL, Arkadelphia AR Ad for Day dson Camp Grounds and "100 9 FM"
- 1040 102.5 KKYR. Texarkana TX Local ads, calls
- 1042 102.9 KVLO Sheridan AR Am certain this is the one calling itself "the new 102 9,K Love"
- 1045 104.9 KBUK, LaGrange TX Ad for Shittelbaum Amusement Park in New Braunfeis
- 1047 1049 KDXY, Lake City AR Y-105 and ad for IVV Village in Jonesboro
- ,050 104.5 KKDA, Dallas TX Rap K-104
- 1100 102 5 KZSD, Martin SD Calls at top ofhr. What a surprise
- 1130 101 9 999 Hendrix
- 1103 103 3 KWOZ. Mountain View AR Local mention
- 1103 104 5 KWXE. Glenwood AR Hot Springs Glenwood mentions
- 1108 1047 KOOL, Hardy AR Call the Cool Crew at 856-2178
- 1:13 100.9 KFCM Cherokee Village AR Visit the
- Ashley House on Highway 69 Nostalgia cornba.) my
- 1116 99 1 KMAG Fort Smith AR C'W Calls 1120 99.9 KTCS, Fort Smith AR Calls
- Calls in car 1123 100 7 KBBO Fort Smith AR Local ad, oldies
 - 1125 100 L KYKC, Byng OK Calls
 - Calls 1131 995 KUTT, Fairbury N Hot Country Mentions of SE NE
 - 1135 100.9 KFXT, Sulphur OK Fox 101 w/C OK mentions
 - 1200 977 KMTY Holbredge NE Calls and Mighty 97 7

- 1750 92 1 KRUE Waseca MN Calls
- 1823 92.9 WSCD, Duluth MN Classical
- 1825 93 3 WBSZ, Ash, and Wl Country
- 1827 949 KODS, Duluth MN Local ad
- 1832 89.3 CBON-20, Thunder Bay ON French 1836 92 1 ??? Rt 318 in Preston
- 1840 90.5 CBOO, Ft. Frances ON CBC
- 1849 92 1 WELY, Ely MN Local WA
- 1850 93 5 CKSB-7, Kenora ON French 1856 97.7 WFNL, Sturgeon Bay WI Mention of Keewaunee Co. in promo

13 Es 0941 92.5 KUJY, Ankeny IA "in Des Moines"

RICK SHAFTAN's report continues.

IULX	14 Es	
1245	88.1 CBAF-15, Charlottetown	PE1
	French for new province	

15 Tr

0108-91-9 W220-, ????? PA? WGRC sltr towards North Central PAw Jocal WNTI off

16 Es

- 1250 92.1 KRTS Seabrook TX Harris Co. mentions Was this the one that changed format? No the 97 I is Tejano now-gc)
- 1302 88.7 KUHF, Houston TX Local nx then NPR Aiso NPR's on 88.1 and 88.5
- 1308 93.7 KKRW, Houston TX Southwestern Bell. the Store and local ads 73 RKS



BOB SMOLAREK - 31 MA	DV DDIVE	1310011	DDIDGE	BITTLE	IED OF V	0.000
DOD SIMULABEK - 31 IMA	חא וואוער	- 15115151	BBILLISE	NI E VV	JERSEY	טליאמו
	COLC DITTO	7115411	DIRECT.	135,77	OLLIGET	00023

$\overline{}$	00 011	1100	2111	ELC OF HIMBER DI	HAF	<u>- 11110</u>	31 I DI	HUGI	L, 1	AEAN DEUGET O	3029
	<u>1996</u>						E 11 Es				
21 E	WUMI	50.7	LED	faciliana a	400		WJMI				1031
23 E		99 7	MS	Jackson,s	1031	1					847
2052		04.0	FL	T	in m.e	2300		88 1	KS	Topeka g	1102
27 E		39.3	II.	Tampa,r	981	TRE					
2042		04.0	AR	Marinatas			WZZR			Stuart rp	975
2044	KNIN	92 9		Maumelie,o Wichita Fails, r	1040	0250				Homosassa,r	921
JUNE		32 3	1.6	wichita raits,r	1351	0931	WKTK			Crystal River r	
2 ES	(380							t To Coa			899
1651	WB_X	929	AL	Mobile s	007	0948	111. 10		FL	Goulds I	1093
1652	WMJY	93 7		Buoxi.r. "Magic 93.7"	995	10005		100 1	FL	Port Charlotte k.	
11 ES		aa /	SU-5	PROVIDE WASTIC AREA	1046			оьntry'			1040
	WXEL	90.7	FL	West Palm Beach.	4004	1003		94.9	FL	Miami Beach, r "Zeta 4	1060
2000	WCMQ	92.3	FL	Hialeah.	1021	1000		103.9	FL	Key Largo	
2000	WTMI	93 1	FL	Mamic	1073	1010			FL		1021
2001	WLVE	93 9	FL.	Miami Beach i	1061	1010			FL		1058
2007		979	FL	Palm Beach,r	1051	1010		102.5	FL	Summerland Key k.	1150
2009	WRTO	983	FL.	Goulds.I	1021	1029	WLRQ		FL	Cocoa.r	917
		991	FL	Miamils	1093	10.46	WOMO		FL	Hialeah I	1073
2016	WPBZ 1		FL	Indiantown.rp "The Buzz"	1061	1041	WTMI	93 1	FL	Mamile	1061
2017		99.7	FL.	Vero Beach,k,"The Panther	983	1076	WGMX		FL	Marathon,r	1150
2020		95.3	FL	Fort Myers o			WLVE	93 9	F.		1061
		94.3	FL	Marathon.r	1054	1136	WGYL	93 7	FL	Vero Beach, r	955
2026		95.5	FL	Pt Pierce.k	1150	1142	WIKX	92 9	FL	Punta Gorda, k	1036
		973	R.	Miamur	987	19 ES					
032	WMXJ 1		FL.	Pompano Beach,o	1061		WCMQ		FL	Hiazeah,!	1073
035	WRMA 1		FL.	Fort Lauderdale I	1061	1055	WTMI	93 1	FL	Miami c	1061
	WFLM 1		FL	White City's	1058	1058	WAYE	88 1	FL	West Paim Beach g	1003
	WEAT 1		FL	West Palm Beach r	966		WZTA	94 9	FL	Miami Beach,r	1060
	WWUS 1		FL.	Big Pine Key o	1021	1103	WPBZ	103 1	FL	Indiantown,rp 'The Buza	z" 983
	WSKP 1		FL.	Key West,	44.00	22 ES					
		987	FL.		1162		WCLB	95 5	FL.	Pt Pierce.k	987
	WXXL 1			Key West,rp,"The Ozone" Tavares.r.	1162	1140	WZTA	94 9	FL	Miami Beach 7	1060
	WDUV 1			Bradenton.b.		1145	WBQ	92 9	FL	Punta Gorda,k	1036
	WCOF 1				1007		WKRO	93 1		Edgewater rp, "CROW-FI	
	WFSN 1			St. Petersburg.r	988		WOZN	98 7		Key West,rp,"The Ozone	1162
, , , ,	"SunCou		rL.	Port Charlotte,k,	4040		WCMQ	92 3	FL	Hialeah,)	1073
122		95.9	FL.	Covered and a	1040	23 TH					
		99.8 99.7		Springfield,r	940		WYSN		PA	Central City,m	213
	WOYS 1			Dothan r	871	2257		100.5	WV	Huntingdon r	434
	t, The Oy		17	Aparachicola,	0.40		WLTJ	92 9	PA	Pittsburgh,r	270
		39.3	CA	Lumphon k Winner - DO O	942		WOMP		ЭΗ	Bellaire.r	313
	FERVOIR 1	25.3	dA.	Lumpkin,k,"Kissin 99.3"	816	2359	WPRR	100 1	PA	Altoona,rp	185
1.7%											

HORTHERN FM DX

64 m 11	1 00 00 00	, , , ,	· ·	**		
				<u>BOB SMOLA</u>	REK s	report continues.
JULY	1, 199	6 Es				
1742	KBEZ	92.9	ÐΚ	Tuisa r	1185	
1745	KOMA	92.5	ÐΚ	Okiahoma City o	1274	
1747	KEBC	94.7	ŌΚ	Okiahoma Cify k	1275	
1749	KV00	98.5	QK	Tutsa, k	1185	THIC
1751	KWEY	973	0K	Weatherford k	1338	W S
1758	KTST	101.9	OK	Oktahoma Crty k	1275	Read
1800	KBTN	99.7	MO	Neosho,k		E A
2029	WZ.Q	98.5	MS	Tupelo k	874	FM
2041	WKZL	102.3	MS	Ripley k, "Kudzu 102" nam	ed	
for t	he viney	plant	that o	rows all over the South!	866	
2049	WCLD	103 9	MS	Clevelandis, Jammin 104	992	
2055	WWTN	99.7	TN	Manchester t	707	
2103	WRMX	96.3	ΤN	Murfreesboro,o.	701	
2108	WBLE	100.5	MS	Batesville,k	922	

FM 104

Comments After a slow start, the E-Skip season wasn't that bad southern Florida was getting to be regular reception!

C R BERNTH - P.O. BOX 236 - EASTPORT, NEW YORK 11941-0236

	1996 DX	rradio GE SR II, S	iony 20
		ahan "Planet Rade	-P-P0A
	88 9 WFSJFLT8		מינטט
2100	"Fla State Univ"	ma laasee	943
2106	92 9 WBLX AL M	obve *PLV"	1095
2100	93 3 WPGG AL E	NOVEL DE V	1080
2100		een & Andalusia	1026
2100	93.5 WMTOFL P		1020
2 :00		Sound of the South	
2122	93.3 WFNQ NC F		647
	923 KIPR AR Pir		5,714
2100	"Power 92 Jams"	io cion	1156
Jun 8	1996 DX		1 (20
4 £ \$			
	WMiX 941 IL MI	Vernori k	883
		ng to boil all water)	500
	WSTR 941 GAS		808
1700	W2BQ 94 1 AL Ca	rrolton "ZBO"	999
	KKPT 94 1 AR J		000
	Rock & Roll Cassio		1159
1735	KVRE 92 9 AP Hot	Springs Vilage	
	"The Music of Your	Life"	1192
ZTr		- +	
	WAVX 106 9ME 1	Thomaston classical	288
7 E 5			
	WVLK 92 9 KY I	exington "K93 FM"	856
	Add Aller		
1303	WUXA 92 9 TN 1	Vashville	
	"Nashville's Soft Ro		839
10 E			
	KBOK 933AR I	vlatvern,	
	"93-3 CD Country" 1	189	
1054	KKPT 94 1 AR L		
	KOLX 945 AR E		1235
1107	KBBQ 100 7 AP F	Smith "Q100 7"	1240
	unid 100 7TX? "		
1110	ATTENDED TO A CONTRACT OF THE PARTY OF THE P	C II	
	"The Fox that Rock		
	KMAC 99 7MO G		1107

	JULY	11 Es		,	,
٠.	1026	WIJG	92 9 AL	Tuskaloosa "Power 93	3
	1748	KATE	92 9 JA	Dabuque	
		"Dubugi	ue's Soft F	lock 92 9"	934
	1754	WBSZ	93 3 W.	Ash and "The Hot FM	Z93
	1759	KITN	93.5 MN	Worthington	1178
	Thar	nks for m	iaking us f	/1-we are KITN-Worth	ngton
				Eau Claire "I-94"	991
	1825	KKJM .	92 9MN	St Joseph	
		"All Hit #	<-93		1140
	1828	WSCD	92 9MN	Duluth - Interview with	
		David Z	กกาลก		
	1838	<u>WZRK</u>	93 5 MI	Hancock	902
		"WZPK	an alterna	ative rock station	
	1907	WNCB	89 3 MN	Duluth	
	1926		92 9 NE		
		"Classic	Rock a Lo	fay	
	11 Tr				
	1322	WHEB 1	100 3 NH	Portsmouth	
		"100 3-F	-ŒB"		182

Entering the audio freqs for channels 2 thru 6 on my scanner tipped me off that skipWas in (June 11) Very strange skip day on July 4th Locals were splashing all over the place. Could find nothing on any freq but 94.1 except WIKX in & out all day & KVRE both on 92.9 my usua, monitor freq. 73 s CR Bernth



DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

Equipment: Carver TX-11 tuner; IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 56 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed. New loggings are underlined.

June 23 Tr cont **IUNE 1996 DX** 0847 WOFX 92.5 OH Cincinnati, call+ 8 tropo The Fox, op\$ 376 0800 WAFD 100.3 WV Webster Springs. 0900 WCKA 97.1 WV Sutton, ID, southern gospel call lcl ads, g5 266 g mono (Sunday morning) 260 0855 WOYX 93.5 PA Clearfield, ID, rp\$ 67 0921 WHAI 104.5 WVBluefield, J-104+ over WJQZ Wellsville, NY Iclads, rms 358 1000 WITL 90.3 PA Lancaster, ID, g\$ 175 0957 WLOT 99.9 OH Kettering, Lite-99.9, j\$ over WISL Houghton, NY jazz brunch, (Sunday morning) 336 21 tropo 325 30 tropo 0729 (WOBX) 104.9 MI Alma, call.rs, ex.WFYC 1028 WCFM 94.1 Oll ???, rm5 222 "Ohio's variety station" 1204 WVUM 90.5 FLCoral Gables, call, gr\$ 1130 1100 WMBP 91.9 OH Belpre, ID, gr mono 243 23 tropo first day on 91.9, moved from 91.7 0626 WPBF 105.9 OH Middletown, call, k\$ 352 power increase to 4,500 watts 0630 WPAY 104.1 OHPortsmouth, public affairs soon to be stereo program, over WHITT Buffalo 329 also heard on 91.9 were: 0639 WKRQ 101.9 OH Cincinnati, Q-102+ WGTS 91.9 MD Takoma Park, c\$ 222 Icl ads, rp\$ 374 1123 WNTI 91.9 NI Hackettstown, call, m5 202 0646 WSRW 106.7 OH Hillsboro, ID, k\$ 333 WRVN 91.9 NY Litica nx \$ 180 0721 WWNK 94.1 OH Cincinnati, Wink-94.1+ CBF9 91.9 PQ Mont-Laurier, lcl ads, gr\$ (Sunday morning) 377 t mono, FF 342 0759 WOUH 91.9 OH Chillicothe, multi-station fD. 1135 CFLZ 91.9 ON Niagara Falls, t 5, TIS 81 es. (Sunday morning) 292 W220Al 91.9 PA Meadville, g\$, 0800 WVXU 91.7 OH Cincinnati, ID, p\$ 373 WCRF 103.3 91 0833 WKOV 96.7 OH Wellston, call, rm\$ 298

That was a nice trops opening to southwest Ohio on the 23nd. Channel 9 Cincinnati weather radar showed a severe thunder storm heading toward the Cincinnati/Dayton area at the time. Dave

SAUL CHERNOS - 57 BERKELEY ST. - TORONTO, ONTARIO M5A 2W5

(416) 364-0725 - e-mail: schernos@torfree.net May 31 Es cont. 1996 FM DX

March 3, 1996 Tr (downtown)

2300 #### 99.1 ON Toronto pirate mono

Queen & Bathurst area

maybe 50 watts (Idio Audio) May 31, 1996 Es (central Toronto)

(I catch just the very end)

1550 WPGG 93.3 AL Evergreen 1559 WEGS 91.7 FL Milton g

1600 WVAS 90.7 AL Montgomery is

1601 WLBF 89.1 AL Montgomery g

May 31 Es (Coldwater, ON)

1842 WBSN 89.1 LA NewOrleans (no time to DX)

2004 KDSU 91.9 ND Fargo

2005 KRJB 106.3 MN Ada Twins baseball

2006 KIKC 101.3 MT Forsyth 2007 KFNW 97.9 ND Fargo

tornada warning Sargent County 2012 KLAN 93.5 MT Glosgow

finteresting call letters) 2015 KBMK 101.5 ND Bismarck "Kiss-101-FM"

2017 KIZZ 93.7 ND Minot "Z-97" r

2022 KYYX 97.1 ND Minot "97-Kicks-FM" k 2023 KQDY 94.5 ND Bismarck "Hot-Country-

KQ-94-FM" Mentions Rattler baseball 2025 KZLT 104.3 MN East Grand Forks

"K-Light-104"

2053 KKMK 93.9 SD Ropid City r 2057 KPPR 89.5 ND Williston "Prairie-Public-Radio" 2059 KCND 90.5 ND Bismarck "Prairie-Public-Radio" 2100 unID 89.3 SD Sioux Falls mentioned 2101 KMPR 88.9 ND Minot "Prairie-Public-Radio" JUNE 1996 DX 1 GW (Orillia,ON) Pirate heard while driving. In weak in Coldwater, which is west of Orillia. Strong in Orillia area and weak again in Dalrymple, a hamlet 15 minutes drive east of Orillia No IDs heard but songs dedicated to friends. Music a range of rock but included several awful Sesame Street discodance tunes. Two announcers, one male, and a young woman named Veronica. I know of no licenced station. A sixth sense tells he it's possible the station might be on Rama First Nation, an Ojibwa community located just east of Orillia. Unfortunately it faded

shortly before I reached by Surnt River DX zone!

2027 WBJI 98 3 MN Blackduck "Oldies-98"

2030 CBK 96.9 SA Regino CBC Stereo,

2040 KSSZ 92.7 ND Kindred "Kiss-FM"

2032 KDVL 102.5 ND Devil's Lake "FM-102.5-

2042 KYYZ 96.1 ND Williston "Oldies-96.1"

2028 KNOX 94.7 ND Grand Forks

"95-Country-KNOX-FM"

KDVL" tornado watch

2046 KKCT 97.5 ND Bismarck

Sask weather

HORTHERN FM DX Saul Chernos' report continues.

June 1 GW (Burnt River ON)

1923 CHUR 100.5 ON North Bay ex-840-AM "Mix-100" r see notes

2345 CKCB 95.1 ON Collingwood ex-1400 (through 1400 still on) r

3 MS (Burnt River)

0658 WZFX 99.1 NC Whiteville

3 GW/Tr (Burnt River)

1808 CBCD 92.5 ON Pembroke ex-96.7 see next item CBC mono Engl 1

1822 CHVR 96.7 ON Pembroke ex-1350, "The-New-Star-96-FM" k English, replaces CBC so not new

1840 CBCU 899 ON Chapleau CBC mono English

1859 WSLU 89.5 NY Canton "North-Country-Public-Radio"

1901 WXUR 92.7 NY Herkimer "Oldies 92.7" 1925 CHOM 97.7 PQ Montreal "Showm

FM" English rp

3 Es (Burnt River, very short-lived) 2044 KPFT 90.1 TX Houston

2057 WOGY 94.1 TN Germantown "Today's-Country... WOGY ... Froggy-94"

2103 WYKL 98.1 TN Millington "Star-98" 4 Tr (Burnt River)

1022 CFML 92.1 ON Cornwall French

9 Tr (Burnt River)

1218 WRCD107.3 NY Honeoye Falls "The new CD107.3 smoothe FM" i

10 Tr (Burnt River)

0126 WCIY 88.9 NY Canadiagua g

10 Es (Burnt River)

2004 WQLJ 93.7 MS Oxford "... at the Q" and multiple locations

2005 KZMZ 96.9 LA Alexandria 2006 KWCL 96.7 LA Oak Grove

2007 KSMB 94.5 LA Lafayette pr 13 GW (Toronto - Etobocoke)

0900 FM 90.7 ON Etobicoke Island Inflatoble Boats & Service

16 Tr (Burnt River)

Mentions Menomenee 2330 unID 102.1 and Montgomery in local news

2341 WRDS 102.1 NY Phoenix "Unforgettable Coal 102" Timeless Jams

17 Tr (Burnt River)

NOTE: 93.7, 96.1,106.5 Buffalo off for hour 0025 WLLW 93.7 NY Clyde "The Wall" r

17 MS (Burnt River) 0850 WSIU 91.9 IL Carbondale

17 Es (Burnt River)

1049 KJIL 99.1 KS Copeland g 1052 KLOS 95.5 KS Dodge City

24 Tr (Toronto) 1218 WRCD107.3 NY Honeoye Falls i

28 Tr (Scarborough Bluffs) 1530 WPSB 90.1 PA Kane

JULY 1996 DX 1 Es (Burnt River)

1745 KSBJ 89.3 TX Humble

1746 KITT 93.7 LA Shreveport "The Cat" 1747 KOND 97 1 TX Houston SS,

local references

July 1 Es cont.

1750 KWKH 94.5 LA Shreveport

1758 KVNE 89.5 TX Tyler 1803 KWRW 97.7 TX Rusk

1804 KTBC 98.9 TX Lampasas "98-9 the Rock" rp

1807 KTUX 98.9 TX Carthage "The Rebel Rocker, 99X"

1810 98.9 Says every Sat night Bill Boots Rock & Roll oldies, but playing k musicl

1812 KTOY 104.7AR Texarkana

1813 107 7 "Today's Christian 107-7" 1816 102.3 "Texas102" (KDET Center-gc)

1817 KOOI 106.5 TX Jacksonville "Sunny-106.5"

1819 102.9"K-Love" Paul McCartney r

1829 KLDN 88 9 TX Lufkin

1830 KVTT 91.7 TX Dallas 1830 KCBI 90.9 TX Dallas

1950 WYUU 92.5 FL Safety Harbor "U-92" aldies

1954 WMMZ 93.7 FL Ocala "K-Country"

1957 WJXR 92.1 FL Macclenny 2015 WMFQ 92.9 FL Ocala "Z-93, more of the

south's best country"

2018 WTNT 94.9 FL Tallahassee 2022 WQIK 99.1 FL Jacksonville

"FM-99-WQIK" 2025 WBBQ104.3 GA Augusta

2029 100.1 Rutherford High School 743-8833/83

2029 100 1 Adrenalin land amusement park 2031 WOOF 99.7 AL Dothan "Woof-FM"

2033 WDEC 94.7 GA Americus "The Mix 94.7"

2036 WMLO104.9 FL Tallahassee "Mellow-105" Voice of Tiger Sharks

2037 WGST 105.7 GA Conton 2038 WWRQ107.7 GA Valdosta

2040 KTOZ 104.7 MO Marshfield "If you continue to listen to this freq, 104 7 you'll cont. tolisten to polka music. Channel Z isnow located at 95-5"

2042 WHBX 96.1 FL Tallahassee 2044 WTBB 97.7 FL Benifay

"Pirate Radio Station" 2045 unID 96.9 Stereo open carrier

2050 WAAN 97.9 SC Blackville

2051 WBAW 991 SC Barnwell 2054 98.1 maybe ment Decatur, Marker 32 rrnt k

2055 WKTK 98.5 FL Crystal River "KTK-FM"

2055 WKQL 96.9 FL Jacksonville"96-Cool-FM" 2057 WMMO98.9 FL Orlando

2058 WGCO 98.3 GA Midway/Jesup Cool FM

2107 WSCQ100.1 SC West Columbia "Sunny-100"

2108 KXKC 991 LA New Iberia k

2109 WOKA106.7 GA Douglas

2114 105.7 Country 105

2115 102.3 Struebing's shoes ad

2121 WBPR 97.7 SC Georgetown "Mix 97.7" 2123 104.7 Fly104 Jams, rap-like,

826-5626/3921 (NOT WFLM)

HORTHERN FM DX

Saul Chernos' report continues

July 1 Es cont.	
2125 WAJY 98 9	
2128 WLIN 101.7	
"The new Lin101	
2129 KLDE 94.5	
2132 WCKW 92.3	
2133 KRVE 96.1	
2150 93.7"93.7 the	
	food store ad
2155 WDDQ 92.1	
2158 88.7www.pri	
World Cafe e	
TAPED INABSENTI	A:
94.5-9 Wish 94	
WKNB 94.5	FL Port St. Joe "Beach-94.5"
KTTS 94.7	MO Springfield
WBYZ 94.5	GA Baxley
	turesw (Longwood FL, KC-MC
Norfolk VA)	
CTL Productions, T	
	OK Oklahoma City
	y 94.7 KEBC*
2 Tr/Es (BR)	
0750 Es to 92.7 or h	nigher, very brief
3 GW (Driving Pari 0908 88.9	ry Sound to North Bay, ON) ON Parry Sound Environment
Canada wea	
1000 107.7	
	but near Britt and there's a
	I'm there I'll check carefully)
6 Es (BR)	The file of the check carefully;
1158 WAYG 89.1	FL Sarasota gr "Way FM"
1159 WUSF 89.7	
1918 KDDK 100.3	
1918 KURB 985	
1930 KYIS 98 9	OK Oklahoma City
1940 KSEK 99 1	KS Girard
1940 <u>KSEK</u> 99.1 1959 KTLI 99.1	KS El Dorado "Light 99"
2000 KIXR 100 1	OK Ponca City
2001 KNID 96.9	
2017 KANS 92.9	
2020 KIBN 90.7 2030 KHCC 90.1	KS Hutchinson
"RadioKansa	e"
2033 KXLS 99.7	
LOUG NALO 77.7	OK MAN



report continu	ues.
July 6 Es	
2035 92 7all news (A	A Di assala
Belle Plaine, K	
2050 KMAY 73.3 M	O Kansas City "Mix 93.3" KS Leavenworth "98.9
KQRC The Roc	NO LEGVERWORTH 78.7
2035 KDG5 93 9 4	KS Andover soul/rap
2100 KRBB 97.9 k 2104 KFDI 101.3 k	(S Wichita
2104 KFUI 101.3 8	SS Wichita
2105 KFFX 104.9KS	
1044 7045 00 1 B	Z Es (BR)
1844 ZBM 89 1 BB	ERMUDA Hamilton "FM
89" music from /Qs, b	80s, 90s (r) and ABC
news on the hour	
2000 WDAY 93.7 N	ID Fargo "Y 94"
2001 KYCK 97.1 M	IN Crookston "97 Kick FM" k
2002 92.9 Tufty M	lanor qth
2004 96.9 rm K	Q-96
2007 WTBX 93.9 M	N Hibbing pr
2059 KMXL 95.1 M	ID Fargo 1 74 IN Crookston "97 Kick FM" In Identify In Inc. IQ-96 IN Hibbing pr O Carthage O Mountain View "Z-97" (S Dodge City
2104 KXOZ 96.9 M	O Mountain View "Z-97"
2121 KOLS 95.5 K	(S Dodge City
2124 KDGS 93.9 K	KS Andover "K-Dog" KS Wichita "B 98 FM" KS Topeka
2127 KRBB 97.9 K	(S. Wichita "B 98 FM"
2130 KTJY 88 1 K	S Topeka
2145 KTLI 99.1 K	CS El Dorado
TAPED IN ABSENTIA	
	Royals Baseball
KKBZ 99.3	A Clasiada
*99.3 The Bee I	
10 Es (east Toronto)	NO2
1140 KTCL 93.3 C	O Fort Collins
1141 KLTI 99.1 K	(S El Dorado
1147 KCID 00 2 44	O Boonville "Clear 99
FM"	O BOODVILLE CLEAR 77
	0 115 1
1155 KUAD 99.1 CO	O Windsor
1200 KSID 98.7 N	E Sidney "K-West"
1210 KIMN 100.3 C	O Denver "The New Kim"
1215 KRNE 91.5 N	
"Nebraska Pub	
1250 KILI 90.1 S	D Porcupine
Native Lakota s	station
12 GW (Toronto)	
1608 CIEX 99.1 O	N Toronto Annual 50w
Molson Indy station	
13 GW/Tr (Burnt Rive	95)
13 GW/Tr (Burnt Rive 1930 CB 98.7 O	N Wigrton off-gir
(see note below	vì
	N CBC English, probably
Wigrton	

A really disappointing June for Es. July has improved substantially, though quiet again towards the middle of the month when I am sending this report to Greg. 98.7 Wiarton CBC was aff due to xmtr problems. As a result, 107.5 Penetanguishene was relaying 98.5 WKSE Niagara Falls NY and 94.3 Huntsville was relaying WVMV "Smoothe Jazz V-98.7" Detroit MI. WVMV would occasionally fade and be replaced by WKSE, though only briefly and Detroit signal on 94.3 was solid for most part. I managed to log both Detroit and Utica on 98.7 as well. Most interesting, however, was the CBC signal on 97.9. It was only on while the 98.7 was off. Yet, the CBC denies even knowing about it and says they would never run a temporary signal on 97.9 there. Hmmm... Nanetheless, I can only believe is in Wiarton. 73s, Soul

_						_	
	IIM RENEREW - 61 WII	COX ST ROCHESTER	NEW	YORK	14607-	-3	

JIM RENFREW - 61 WILCOX ST 1	ROCHESTER, NEW YORK 14607-3832
Equipment: Dodge Caravan Radio, VW whip,	July 11 Ex cont.
JIMRENFREW@delphi.com	2205 89.5 WPCS FL Pensacola Upper Gulf Coast
April 25, 1995 GW	Weather, calls 1028
1300 105.5 [WTKV] NY Oswego ID as "TK 99 &10	TELOW SER WINDER WE CONTINUE DISTRICT CONTROL
(2.0 0.000)	889 2211 92.1 WDDQ GA Adel Exit 10 info 889
May 23 Es (LAIALIFL, MUF 91.9)	2224 91.9 WMBV AL Dixons Mill "Grace to You"
1050 88.5 WJFM LA Baton Rouge Local program	(fits WMBV sked) 947
promo, ID	LEELD TOHER WORLD ON AIDEM DIMES DO COULT
1105 91.9 WMBV AL Dixons Mill Calls, Weather	
EBS Test 94	about Rufus ?. 745
1158 88.5 WMNF FL Tampa Pacifica	2234 92 I TN? Black Gospel music, WEUP/WQQK?
"Democracy Now", 1D 100	673/757 (8)
IUNE 1996 DX	2236 89.5 Classical music // 90.9
<u>6 GW</u>	2236 90.9 Classical music // 89.5
1500 107.9 ???? NY Syracuse Now IDs as Quick 16	2245 104.9 WSLY AL York "Sly FM" ID
73 (1) popped in through mess 940
9 Ex (SD, MUF 94.1)	2253 104.9 1 country (WMCG?), 1 rap (WFXE?)
1115 94.1 KSDN7 SD Aberdeen Rock 10	16 2259 104.9 "Station for 70s, 80s and today"
1130 91.9 KQSD SD Lowry Cails and	24 Tr (4th floor parking garage, facing south)
SD Public Radio ID 1116 (2) 1000 103.1 WCIK NY Bath - finally, under
11 Es FLIGA/AL, MUF 106.3)	CFMX // 88.9 53
2124 91.9 WYFO? FL Lakeland "Christian FM"Wi	
"Insight" prog	
2126 97.5 WPCV FL Winterhaven Call ID, and	ID, wCHUM 97
country music 10	
2130 100.1 WEEJ? FL Pt Charlotte"Sun Country FM	A" I Es (TX/FL; MUF 91.7)
(format changed) 1145 (
2131 101.9WWGR? FL Ft. Myers "Country 101.5	I 14th an a Medi IV Dangs a phone relieful
FL Texaco ad 1167 (10 (1) (050)
2138 104.7 WRBQ FL Tampa "New WRBQ".	TAND OO'D VEON IN MESSAGE CON LEGELS AND IE
FL Aquarium in Tamps 10	promo and 1260 84 1756 88.5 KUMR MO Rolla - mention "from the
A CONTRACTOR OF THE PROPERTY O	11/30 00.3 POINT MO KOHE - HEHROH HOM de
2145 92.1 WJXR FL MacClenny Classified ads for	Ozarks (ma) of NEOW)
	1600 60.5 1111111 12 1811111
2158 90.9 WJWV GA Ft. Games Peach State Public	INFRINEWS LUGA
000	5
Radio 903 (2159 89.5 WYFK GA Columbus Calls, USA Radio	, Inunes Action
	1819 91.7 KVTT1 TX Dallas - Money Talks program
News)	poor on 91 9 1268

Notes: 1 - With the best parts of the best songs, each cut numbered - Weird!

- 2 · Classical noted as IWas about to go into church to preach, set the tape recorder going and an ID appeared on replay!
- 3 According to VUD, format changed; are calls the same?
- 4 Only FL stationWith country according to FMA
- 5 Other GA stations are gospel
- 6 First Merchant Bank ad mentions Hwy 69 and Blountsville
- 7 Is Dalton GA on? Albany is only other GA station, and none in AL
- 8 According to FMA the only 2 stations in FL/GA/AL/TN With "s" format, might also be Hattiesburg MS.

Anyone got an Atlanta Braves network list? That's all for now! Jim



WTFDA 1996 CONVENTION - ESTES PARK, COLORADO

Thanks to Jim Thomas for a great convention weekend!

classic rock 92-9 The Eagle

2115 KQID

2125 WGNL 104.3 MS Greenwood, G104.3

LENNY GOLDBERG - 343 E. MAIN STREET - ASHLAND, OREGON 97520

(503)	488-0	066. E	quipment: Sony XR-6450 car rac
June 2	20.1996	Es	
0830	unlD	89.9	"FM 90" The Mighty 90"
	пеж п	usic s	onice_
0827	KZNA	90.5	Hill City, KS High Plains Public
	Radio	(same	as 91.1)
0828	KANZ	91.1	Garden City, KS
0825	KBLJ	92.1	La Junta, CO
0825	KFX!	92.1	Marlow-Lawton, OK
0846	KTGI	92.9	Beatrice-Lincoln, NF "Lincoln's

June	20 Es cont
0931	unID 92.9 "The New 92 FM"
	(Led Zeppelin song)
0903	KWYK 94.9 Aztec-Farmington, NM
	"quick weather" "CNN radio news"
0858	KKNN 95.1 Delta, CO"The new Mustang country"
	(Lenny, that is who this is-gc)
0850	unID 96.1 "oldies 96 point one-oh"

0850 KEFM 96.1 Omaha, NE "lite-96"

MIKE CHERRY (VE7SKA) - BOX 631 - GANGES P.O. - SALT SPRING ISLAND, BRITISH COLUMBIA V8K 2W2

JUNE 20 Es

Equipment: Magnum Dynalab FT-101A Etude w/Magnum Sleuth 105 pre-amp Antenna: Linday FM-10 10 element yagi at 42'. Telex Hygain Ham IV rotor, RG6 Times are LITC

THIL	2 RIC C	10	
JUNE	1996	2X	
9 Es			
2154	KAAC	88.9	AZ
2200	KJZZ	91.5	AZ
2346	KEDA	88.3	CA
2349	KATM	103.3	CA
2355	KXOA	107.9	CA
10 Es			
0233	KSGI	99.7	UT
0243	KUEH	90.1	UT
18 Tr			
1855	KNLT	95.7	WA \$ "Oldies 95
	local a	ds (KJI	R-FM off the air)
20 Es			
1843	KGMB	89.7	CA g mx, local refs
1849	KXXZ	95.9	CA ads \$
1853	KKHY	104.5	CA ID, adjacent to

DOME 1980 DY		0253 KUER 90.1
9 Es		0255 (KUTQ) 99.5
2154 KAAC 88.9		0257 KENZ 107.5
2200 KJZZ 91.5		0300 KUSU 91.5
2346 KEDA 88.3	CA	
2349 KATM 103.3	CA	0304 went to 2 me
2355 KXOA 107.9	CA	144.2 mHz
10 Es		1554 KPRN 89.5
0233 KSGI 99.7	UT	KNHC
0243 KUER 90.1	UT	1558 KNMI 88.9
18 Tr		1600 KUER 90.1
1855 KNLT 95.7	WA \$, "Oldies 95.7",0	1606 KBZN 97.9
	JR-FM off the air)	1612 KRGQ 107.9
20 Es		went to 2 m
	CA g mx, local refs	1621 KVNA 97.5
1849 KXXZ 95.9		1624 KNNB 88.1
	CA ID, adjacent to	MUF got to 144 mH:
	ouse KAFE 104.3!!	Mex. 73's Mike VE7
	CA Calls, regular Es stn.	JULY 7, 1996 Tr
	CA Calls, "The Heat"	0853 KUKN 94.5
	K/ Spanish not KUZZ or	Countdown
	VE Who's this?	0859 K211CA90 1
1906 KAXL 88.3		ID asKEAR r
		0900 KCED 91.3
1909 MICA SUIT	CA local refs. This was tought	(over semi-lo

	m. Fail brid			
0253	KUER	90.1	UT \$	Concert promo
0255	(KUTQ	99.5	ŲΤ	legal ID
	KENZ			
0300	KUSU	91.5	UT \$	Calls, cmx
0304	went to	2 met	ers he	ard NM briefly on
	144.21	nHz		
1554	KPRN	89.5	CO rig	ht over top of semi-loca
	KNHC			
1558	KNMI	88.9	NM	Calls
1600	KUER	90.1	UT	Calls
1606	KBZN	97.9	UT	local refs
1612	KRGQ	107.9	LIT S.	"Cargo 108"
	went			*
1621	KVNA	97.5	AZ ad	\$
1624	KNNB	88.1	NM bili	ngual Navajo/English
MUE	got to 14	4 mHz	from Ca	entral Wash, state to N
	73's Mik			
JULY	7, 1996	Tr		
0853	KUKN	94.5	WA \$ "	Cookin'Country"
	tdown			
0859	K211C	A 90.1	WA (as	prox 150 miles)
				KSVR & KUPS!)
0900	KCED			
	(over s	emi-lo	cal K217	7AY)
0912				music, \$ local ads, not
	often fre			

I accidentally caught this stuff during the weekend of the ARRL VHF Contest (June 9 & 10), I wasn't concentrating much on FM other than to alert me to possible 2 meters (144 mHz) Es. Southern Calif. was briefly heard in short spurts around the time the MUF was verified at 107.9 but no contacts were made. The new gear & the new QTH are great - everything i hoped for. There are actually some tropo possibilities from my new location. I can't rate the Es season so far, as I've just gotten all my antennas up & running. Hope everyone gets lotsa exotic Es this summer. Weird tr opening - no sign of the Portland or Central Oregon FMs. Yakıma FMs were strong, also Tn-Cities, WA but nothing else in this direction. There has been very little Es the last 2 Keeks. What little there has been provided some long-haut paths on 6 meters, but little DX on TV & none on FM. 07/02 Central Oregon FMs were very strong from my new QTH - full quieting & stereo for several hours in the morning. These are all re-logs so I haven't bothered listing them. 73's Mike Cherry VE7SKA

NORTHERN FM DX			D1 (1) 1	-	SEPTEMBER 19	40
GREG CONIGLIO - 5100 GLENWOOD DRIV	E - WI	LLIAM	SVILL	E. 1	IEW YORK 14221	_
Equipment: Pigger TX-9100 tuner modified with 150kh	z and 18	0 khz fi	ters, C	M S	tereo Probe 9 FM anteni	12 -
20' AGI CAC11 & RG6 coax. Phasing: Jerrold 10 elem	ent TV a	ntenna	a1 = 25	AG	L, rotatable, into "two	
capacitors in a phase box", and switchable rabbit ears be	oth into a	0-10-2	0 db P	ladio	Shack amp.	
JUNE 1996 DX	6 Es					
11 Es		GVE	99.3	DK	Grove, ads	957
2030 Miami FMs to 99.1	1925 IK	PLA	101.5	MO	Columbia, promo, a/c \$	
2110 (WCLB) 95.5 FL Pt Pierce, IS. ex: WOVV 1098	8)	C KARO				765
2116 WPAW 99.7 FL Vero Beach, local ads 1065	1926 K	IXQ.	93.9		Webb City, Kix 94	922
2118 WKGR 98.7 FL R. Pierce, The Gator 1098			104,9		Nowata, K-Rig. CWS	
2120 WRMF 97.9 FL Palm Beach, Pillow Talk 1135					I, had been heard there	995
2145 WSCQ 100.1 SC W. Columbia, calls 634		GLS	93.1		Pratt, ads	1085
2145 (WFSN) 100.1 FL Pt Charlotte Sun			104.7	KS		
Country 100, ex WEEJ 1121		-	102.9	KS		927
2147 WRBQ 104.7 FL St. Petersburg, k\$ 1058			103,5	KS		967
2152 WQIL 101.3 GA Chauncey religious		MKF	101.5	KS	Manhattan, K-Rock	957
2200 WKKBt 105.5 FL Key Colony Beach, thought I	7 Es					1017
heard these calls weak in mess. Are they on yet?	-	BWX	95.7	MB		1047
2201 WKCN 99.3 GA Lumpkin, Kissin B25	2004 G	BWY	92.7	MB	Jackhead, CBC EE //	1081

17 ES					1		NGVE	03.3		GIOVE, AUS	001
2030	Miami Fly		1	er et IA WOUN		1925	[KPLA]		MO	Columbia, promo, a/c \$	700
2110	(MCFB)	95.5		Pt Pierce, k\$. ex: WOVV			ex: KAR			114 11 60 14 64	765
2116	WPAW	99.7		Vero Beach, local ads	1065		KIXQ	93.9		Webb City, Kix 94	922
2118	WKGR	98.7		Pi. Pierce, The Gator	1098	1930	KRIG	104.9		Nowata, K-Rig. CWS	005
2120	WRME	97.9		Palm Beach, Pillow Talk	0.00					, had been heard there	995
2145	WSCQ	100.1		W. Columbia, calls	634	1931	KGLS	93.1		L. CHILL AND A	1085
2145		100.1		Pt. Charlotte, Sun		1945	KXBZ	104.7		Manhattan, B 104.7, CW\$	
	Country '	100, ex	WEE,	J	1121	1949	KOTP	102.9		St. Mary's Oldies 102.9	927
2147	WRBQ	104.7	FL.	St. Petersburg, k\$	1058	1950	KOLA	103:5		Ogden, local refs	967
2152	WOIL	101.3		Chauncey, religious		1952	KMKF	101.5	KS	Manhattan, K-Rock	957
2200	WKKBt	105.5	FL	Key Colony Beach, thoug	iht i j	7 Es					
he	ard these	calls we	ak in	mess. Are they on yet?		2003	CBWX	95.7	MB	Transfer Section 1 min and man	1047
2201	WKCN	99.3		Lumpkin, Kissin	B25	2004	CBWY	92.7	MB	Jackhead, CBC EE //	1081
2221	WGOR	93.9	GA	Martinez, Cool FM, o\$	681	2045	KKOT	93.5	NE	Columbus, Coyote	960
2230	WDOD	96.5	TN	Chattanooga, River Coun	try	2059	KEZ0	92.3	NE	Omaha, ads, Z92, AOR\$	893
E-0.0	k\$, first		o this	s city	654	2102	KIIK	95.9	1A	Fairfield, Kick 96, o\$	696
2231	WMJJ	96.5		Birmingham, w/WD00	768	2103	KTCH.	104.9	NE	Wayne, calls, ads	932
2235	WEEX	95.7		Tuscaloosa	827	2104	KZEN	100.3		Central City, wx warning	973
2231	WDDQ	92.1	GA	Adel, Exit 10 ads	857	2110	KRGI	96.5	NE	Grand Island, stn promo	1020
2235	KRVV	100.1			1011	2115	KKPR	98.9		Kearney, tornado watch	1040
2241	KCIL	107.5		Houma, local weather	1147	2118	(KNET)	95.1		Lincoln, ads. The Net	
2244	WNSL	100.3	MS	Laurel, SL-100	975	4110		en song,			932
2245	WSYE	93.3	MS	Houston, Sunny 93-3	686	2120	KTMX	104.9		York, The Mix	979
2246	MLW	99.7	MS	Jaokson, calls	972	2125	KKDM	107.5		Des Moines, new rock \$	
2249	WYMX	99.1	MS	Greenwood, Max 99	899	2120		New Ro			769
		107.5	TN	Lebanon, Nash, wx	620	2132	KONS	95.5		Lindsborg, The Rock	1039
2249	WRVW	104.9		luka, The Fox	761	2135	KXBZ	104.7		Manhattan, CWS	968
2250	WFXO	106.7	MS			2140	KWIC	99.3	KS	Topeka, Quick 99.3	927
2251	WWZO		MS		931		KGGG	94.7		Sterling, ads for	
2252	WLIN	101.7	MS	Greenwood, urban	904	2140		son, K-I			1066
2253	WGNL			Charleston, rel. ments.co		04.64				Cardinals baseball	1000
2255	WTGY	95.7			805	2141	unlD	102.3		Phillipsburg, weather	1090
2255	WMC	99.7	TN	Memphis, legal ID	828	2143	KQMA			Osceola, JC 106.9	786
2258	WWMS	97.5	MS		936	2146	KJJC	106.9	IA	USD6018, 30 100.3	100
2323	KIPB	92.3		Pine Bluff	838		MUF 10		40	Monticello, legal ID	958
	WXFX	95.1		Prattville, The Fox		1907	KHBM	93.5	AR		1224
2333	KYXK	92.7		Gurdon, Kix	1003	1921	KRAW	97.9		Fl. Worth, Arrow 97.9	1096
2340	KQID	93.1		Alexandria, Q93, CHR\$	1076	1924	WQUE	93.3		New Orleans, urban \$	1146
2344		100.1	AL	The second secon	861	1928	WEZB	97.1	LA		1108
2353	WKOR	94.9	MS	Starkeville, K 94.9	857	2013	KTUX	98.9	TX		1187
19 E					4000	2014	KAFX	95.5	TX		
2100	KRVN	93.1	NE	Lexington	1093	2017	KDET	102.3	TX		1149
JULY	1996 DX					2018	KLBQ	98.7	AR		1014
1 Es	(mobil in	Cheekin	Wag:	a & Williamsville, NY)		2024	KXKC	107.5		Ruston, weather	1053
2030	WKNN	99.1	MS	Pascagoula, K99	1023	2030	KWYX	102.7	TX		1188
2043	WKKZ	92.7	GA	Dublin, ads, wx	758	2032	KLIL	92.1	LA	Moreauville, wx	1107
2045	WTNT	94.9	FL	Taliahassee, CWS	909	2044	WLMG	101.9	LA		1097
2050	WMLO	104.9	FL	Начала	910	2045	WTIX	94.3	LA		1131
2051		100.3	GA	Tifton, back home, 810	0 844	2053	KCIL	107.5	LA	Houma, legal ID	1147
2057		105.9	FL		961	2100		100.3	LA	Larose, legal ID, c.rock\$	1131
2107		101.3		Sulphur, The Rock,		2103		99.3		Haidelberg, relig \$	964
m. 1-4/1				TQQ 100.9 in 1987	1191	2105		106.3	LA	Thibodaux, is	1191
2108		104.5		Orange, 60's at 6	1217						
2110	Transaction of	100.1		Grenada, B100, CW\$	880	The.	July 1-9	period i	was o	uite interesting, but the	rest of
0446	LAND	00.4	1.6	Alexandira 709 PHRS	1076	100		h	a die	ensointment hare - one	of the

93.1 LA Alexandira, Q93, CHR\$ 1076 this season has been a disappointment here - one of the 95.5 LA Lafayette. The Q urban\$ 1150 worst I've seen! No trops of interest, either. 97.5 TX Beaumont, KD97, CW\$ 1232

CONVENTION '96

ESTES PARK, COLORADO SPECIAL REPORT

At 7,922 feet above sea level, the Dripping Springs Bed and Breakfast Inn provided a pristine setting for this year's WTFDA convention. Near perfect weather, rustic accommodations, mouth-watering home-cooked breakfasts, mountain scenery, a rushing creek, and some meteor shower DX added up to a memorable weekend for the 18 people who attended.

Our club has not has not convened in the west for many years, and the Colorado venue made this get-together more accessible for several of those present. There were more early acrivals than usual, and an unusually large number chose to fly in for the event.

Most of Friday's activity centered on getting antennas installed (and...yes...you can set up a mast in solid rock), chatting, settling in, getting acquainted and sightseeing. Co-host Doug Allen supervised the antenna installation.

A hearty breakfast kicked off Saturday's round of activities. The planned DX "Shootout" followed, but the site was not conducive to getting much other than the UHF lptv repeaters in Estes Park along with a handful of NE and KS FM's, and the shootout more or less fizzled out. One of the better catches was a tentative logging of a channel 8 lptv 4 miles away!

Saturday afternoon began with a tour of the three stations operated by Eagle Communications in Fort Collins. The AM and two FM station combo was well-equipped, and provided our group with a look at some of the new digital technology which is changing the face of radio stations everywhere.

The National Institute of Standards and Technology's WWV/WWVB transmitter site a short distance northeast of Fort Collins was the next stop. Convention host Jim Thomas had literally clawed his way through miles of governmental red tape to arrange this tour. WWV personnel told us that due to a proposed increase in security it was likely that all tours would be discontinued, and that ours might we'll have been the last.

WWV appeared to be a victim of government downsizing. Budget and staff cuts did not seem to mesh well with an increased level of maintenance and upgrading work. The 60 kHz WWVB operation was undergoing extensive rebuilding to prepare for a power increase, and at the same time, correct antenna matching deficiencies.

One of the real treats, at least for long-time WWV devotees, was a look at the drum-type mechanism used for many years to play the voice announcements. The device has been out of service for several years, as the announcements now originate digitally. There was talk of preserving it in a more accessible location such as the Smithsonian Institution.

Evening activities cranked up with a western-style chuckwagon picnic dinner beside the Big Thompson Creek. After the meal there was the traditional VUD Quiz, and a new twist...story-telling. Prizes were awarded, club affairs were discussed, and as the evening chill crept in, the group disbanded.

Later in the evening the first major DX catches of the weekend popped in via Ms. There were solid loggings of KGAN (2) Cedar Rapids and WIL-FM St. Louis, and tentative reports on KDTN (2) Denton, TX and KEZO-FM Omaha. The high elevation and clear skies allowed seeing the meteors in the sky and logging 'pings' at the same time.

Sunday after another 'to die for' breakfast, the ranks began to thin as folks started back home. Those remaining continued to visit as the weekend drew to a close

Overall, the convention was a great success. Everyone agreed that Jim Thomas and Doug Allen had outdone themselves, and that the trip to Estes Park was time and money well spent.

Introducing the ASP14

A high gain, uni-directional, FM antenna for the serious listener

Those of us who are old enough can remember the days when the FM dial was wide open, and a TV antenna would provide adequate reception performance. However, with the FM band now so badly congested with stations this is no longer true. As a matter of fact at the ASP test facilities in Connecticut they can receive 2 stations of almost any given (non-local) frequency, and even more on the educational band.

Remarkably, some stations on the same frequency can be separated by turning the antenna only a few degrees. Such selectivity, as you can imagine, can only be accomplished with an antenna having superb directivity..... and the ASP 14 is just such an antenna.

Most of the FM antennas being sold today were designed 20 years ago or more and, while they provide respectable gain for their size, they do so at the expense of pattern. Also, they lend to have gain in directions other than what they're almed at. These areas of 'off-axis reception are known as side lobes. It is the frustration we experienced with these designs that led us to design a more efficient FM ontenna.

Prior to final design of the APS14, several prototypes were built and fested by end users. like yousest. Not surprisingly, the designs receiving the highest acclaim were those that had the best receive pattern. Most companies (APS included), quote a 'tront-to-back' (ftb) ratio for each directional type antenna model. A good front-to-back ratio is anything over 20d8, but that doesn't paint the entire picture. Usually, ftb is measured at 180 degrees off axis. But, what is the antenna doing at, say, 120 degrees off axis? Referring to the pattern for the APS14, you will find little receptivity anywhere at the back of the antenna. This is not the case with other, high gain, ormidirectional antennas.

Features of the AP\$14

- * Computer Designed All APS antennas are designed using the lotest professional software. And, they are field tested for accuracy.
- Direct 75 ohm connection means less less transmission line losses as a result of not having to use a balun for connection to coaxial cables. (Most other antennas are designed to have 300 ohm connections and require a signal-robbing 300/75 ohm balun transformer in order to utilize 75 ahm coaxial cables.)
- * Live Boom Transmission Line 1" square boom stock acts as the electrical feeder for the driven elements (not rivets). This assures the highest reliability of performance for the life of the antenna.
- * Sturdy, resilient, aluminum elements provide more reliable service in areas of weather externes.

APS-14 Specifications

Frequency Range - 88 - 108MHz; Impedance - 75 Ohms; Average Gain - 10d8; Average f/b ratio - 24dB; Boam Length - 196"; - No. Elements - 14 (8 driven) Mtt's Suggested Price: \$225.